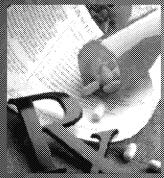
## EXHIBIT 13



The United States Department of Justice

### **Drug Enforcement Administration**



Prescription Drug Trafficking Trends, Synthetic Drugs and Methamphetamine

American Society of Interventional Pain Physicians

Crystal City, Virginia June 9, 2012

> Joseph Rannazzisi Deputy Assistant Administrator DEA Office of Diversion Control

## Disclosure Information

I have no financial relationships to disclose AND

I will not discuss off-label use and/or investigational drug use in my presentation

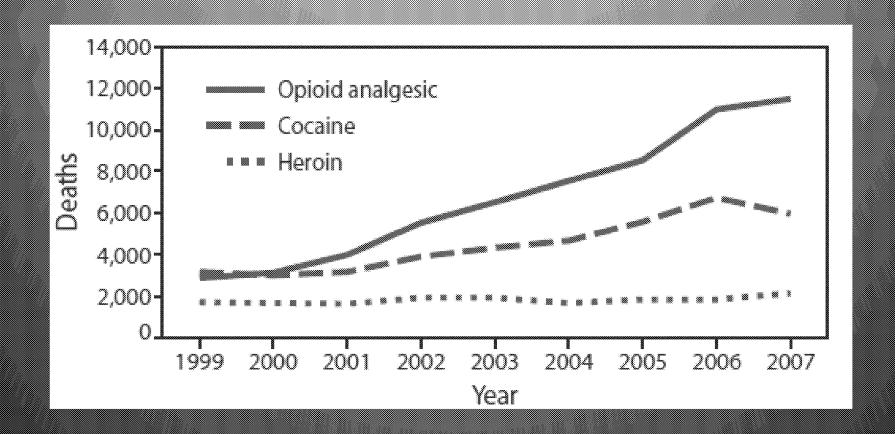
 Responding to America's Prescription Drug Abuse Crisis

• "When Two Addictions Collide"

"In 2007, approximately 27,000 unintentional drug overdose deaths occurred in the United States, one death every 19 minutes. Prescription drug abuse is the fastest growing drug problem in the United States."\*

\*CDC Grand Rounds: Prescription Drug Overdoses-a U.S. Epidemic Morbidity and Mortality Weekly Report January 13, 2012/Vol.61/No.1

# Number of unintentional drug overdose deaths involving opioid analgesies, eccaine, and heroin — United States, 1989–2007



**Source:** National Vital Statistics System. Multiple cause of death dataset. Available at http://www.cdc.gov/nchs/nvss.htm

### Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 8 of 188. PageID #: 424981

	Schedule II	Schedule III	Schedule IV	Schedule V
Written	Yes	Yes	Yes	Yes
Oral	Emergency Only*	Yes	Yes	Yes
Facsimile	Yes**	Yes	Yes	Yes
Refills	No	Yes#	Yes#	Yes#
Partial Fills	Yes***	Yes	Yes	Yes

<sup>\*</sup> Must be reduced in writing, and followed by sign, hard copy of the prescription.

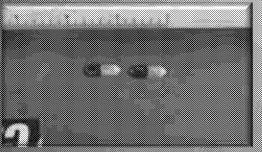
<sup>\*\*</sup> A signed, hard copy of the prescription must be presented before the medication is dispensed

<sup>\*\*\* 72</sup> hour time limitation.

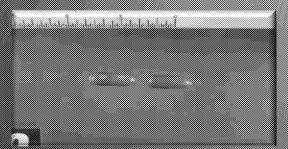
<sup>#</sup> With medical authorization, up to 5 in 6 months.

Prescription drug
epidemic?
How did we get to this
point?

# 



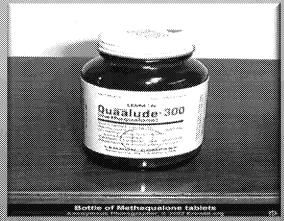
Uppers - Dexearing



Downers - Seconal



Meprobamate



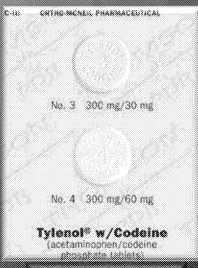
**, l**ydromorphone



Oxycodone/APAP



is and Blues

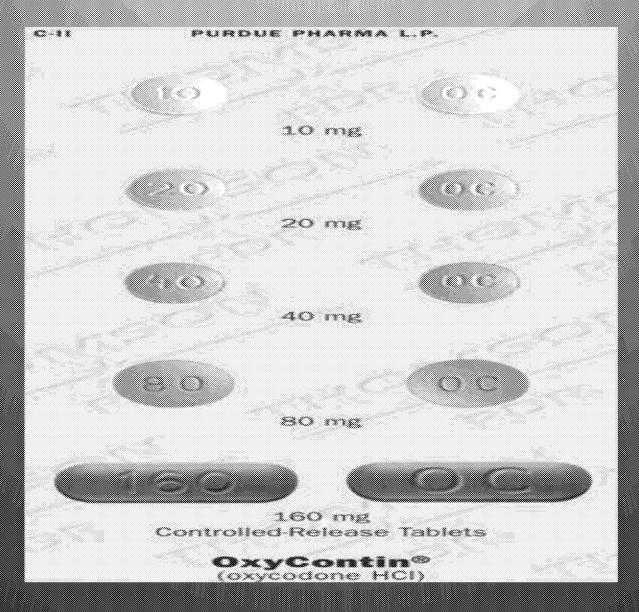


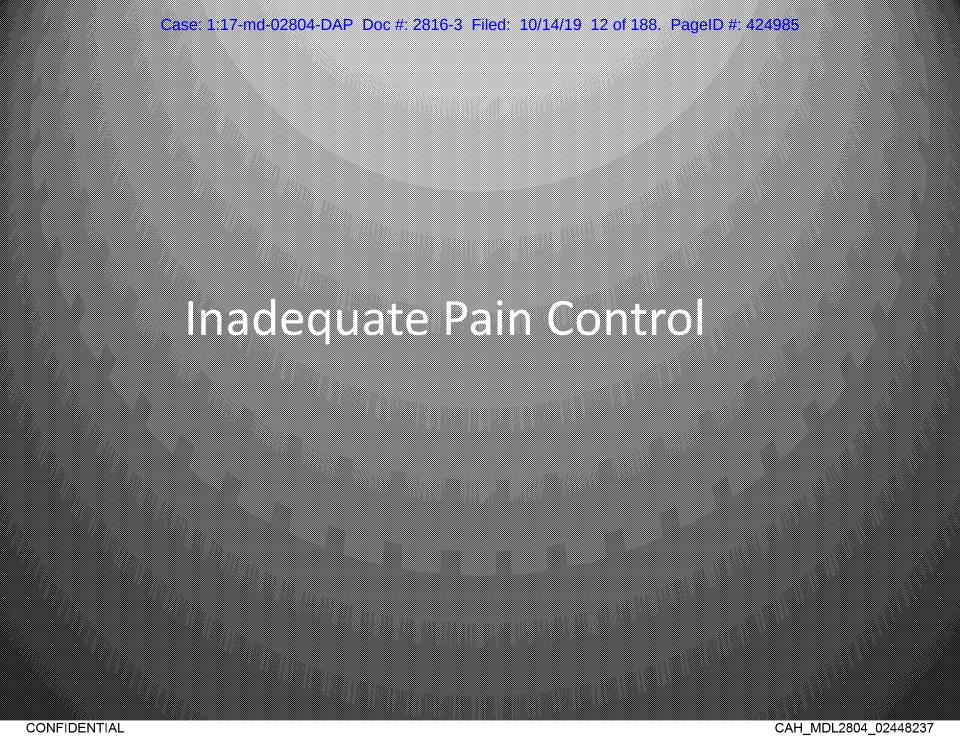


"Fours and Doors"

## 

### OxyContin





### Case: 1:17-md-02804-DAP Doc #: @@rn meon wy4Abused Comtrolled

Carisoprodol

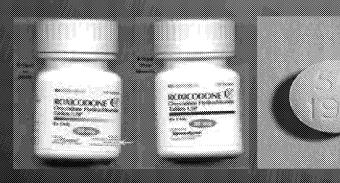
### **Pharmaceuticals**



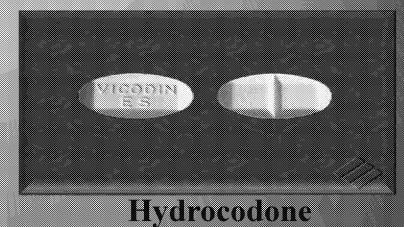
CYCLOBENZAPRINE C-IV as of 1/11/201 FLEXER L

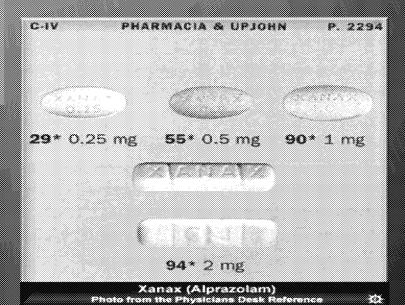






Oxycodone 30 mg

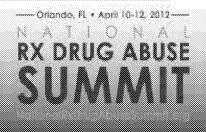




Alprazolam

### The Perfect Storm

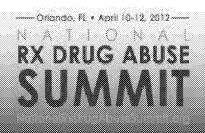
- Industry is producing a wider variety of controlled substance pharmaceuticals and practitioners are prescribing more.
- Use of Medicare / Medicaid or insurance to fund drug habits
- Information / Electronic era



### The Controlled Substances Act

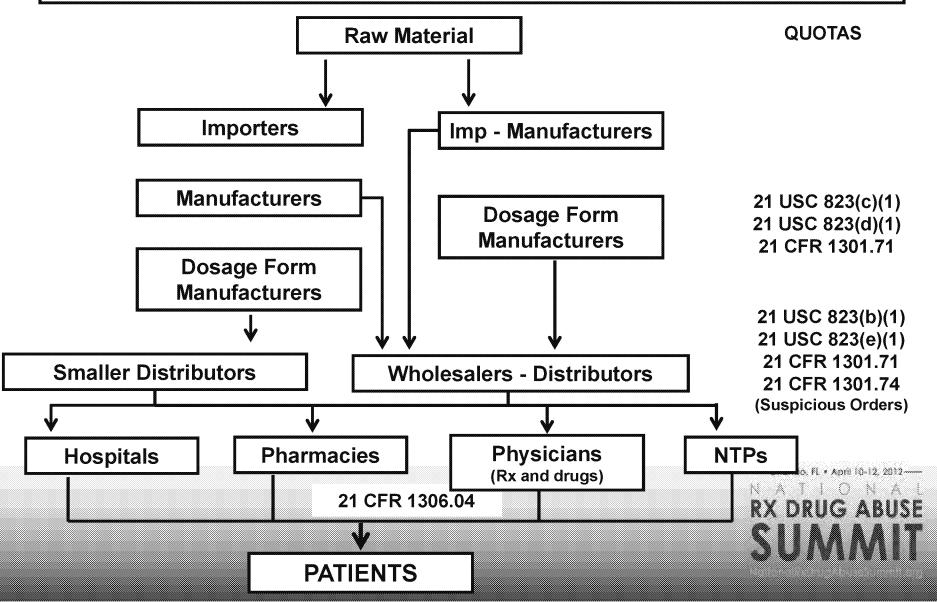
### Checks and Balances





Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 17 of 188. PageID #: 424990

### The Flow of Pharmaceuticals



# Checks and Balances of the CSA and the Regulatory Scheme

• <u>Distributors</u> of controlled substances

"The registrant shall design and operate a system to disclose to the registrant suspicious orders of controlled substances...Suspicious orders include orders of unusual size, orders deviating substantially from a normal pattern, and orders of unusual frequency." (21 CFR § 1301.74)

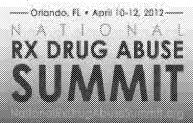


# Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 19 of 188. PageID #: 424992 $\overline{Checks}$ and $\overline{Balances}$ Under the CSA

### Practitioners

"A prescription for a controlled substance to be effective must be issued for a legitimate medical purpose by an individual practitioner acting in the usual course of professional practice." (21 CFR § 1306.04(a))

United States v Moore 423 US 122 (1975)

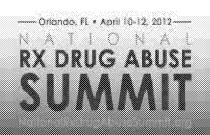


Case: 1:17-md-02804-DAP \_Doc #: 2816-3 Filed: 10/14/19 \_20 of 188. PageID #: 424993

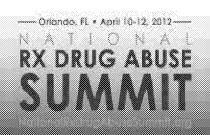
# Checks and Balances Under the CSA

• Pharmacists - The Last Line of Defense

"The responsibility for the proper prescribing and dispensing of controlled substances is upon the practitioner, but a corresponding responsibility rests with the pharmacist who fills the prescription." (21 CFR § 1306.04(a))

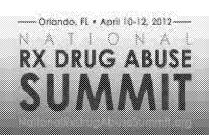


# What can happen when these checks and balances collapse and diversion occurs?



## Large-Scale Diversion

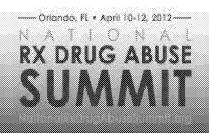
- In 2009, the average purchase for all oxycodone products for all pharmacies in US – 63,294 d.u.
- In 2010, the average was 69,449 d.u.
- In 2009, the average purchase for all oxycodone products for the top 100 pharmacies in Florida – 1,226,460 d.u.
- In 2010, the average was 1,261,908 d.u.



# Purchases of Oxycodone 30mg

 In 2009, 44% of all oxycodone 30mg products were distributed to Florida

 In 2010, 43% of all oxycodone 30mg products were distributed to Florida



Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 24 of 188. PageID #: 424997

## Drug Dealers Masquerading as Doctors

### Paul Volkman, Chicago Doctor, Gets 4 Life Terms In Drug Overdose Case



ANDREW WELSH-HUGGINS 02/14/12 06:45 PM ET Associated Press

COLUMBUS, Ohio — A Chicago doctor who prosecutors say dispensed more of the powerful painkiller oxycodone from 2003 to 2005 than any other physician in the country was sentenced Tuesday to four life terms in the overdose deaths of four patients.

Dr. Paul Volkman made weekly trips from Chicago to three locations in Portsmouth in southern Ohio and one in Chillicothe in central Ohio before federal investigators shut down the operations in 2006, prosecutors said. He was sentenced in federal court in Cincinnati.

"This criminal conduct had devastating consequences to the community Volkman was supposed to serve," Assistant U.S. Attorneys Adam Wright and Tim Oakley said in a court filing ahead of Tuesday's hearing.

"Volkman's actions created and prolonged debilitating addictions; distributed countless drugs to be sold on the street; and took the lives of numerous individuals who died just days after visiting him," they said. The 64-year-old Volkman fired his attorneys earlier this month and said he acted at all times as a doctor, not a drug dealer.

"The typical drug dealer does not care how much drugs a client buys, how often he buys, or what he does with his drugs," Volkman said in a 28-page handwritten court filing Monday, maintaining that he did all those things and more for his patients.



## Prescriptions like candy

The story of a Duarte doctor makes it clear a lot can go wrong between the handcuffs and the prison time.

### SANDY BANKS

We're getting tough on drug dealers in Los Angeles these days, sweeping crack sellers off skid row



streets, shutting down marijuana dispensaries, prosecuting doctors who peddle prescriptions like candy to patient addicts.

But the story of Dr. Daniel Healy makes it clear that a lot can go wrong between the handcuffs and the prison time.

Healy, according to prosecutors, is a most prolific drug dealer. In 2008 alone, he illegally distributed enough prescription drugs to constitute the federal government's equivalent of more than 50 kilos of cocaine or 37,000 pounds of marijuana.

The Duarte physician ordered more Vicodin than any doctor in the nation—1 million pills in 2008. That's 10 times the stockpile of an average pharmacy; more than his local CVS, Wal-Mart, Target and City of Hope pharmacies combined.

According to federal legal briefs, Healy made so many over-the-counter sales from his "Kind Care" medical clinic, the office had its own money-counting machine and Healy pocketed "\$3,000 to \$6,000 a day."

On the day he was arrested, police pulled over a ghetto street dealer with a wad of cash and pocketful of crack cocaine.

That guy would have received a mandatory five years in prison for selling as little as five grams of crack.

Healy's lawyer argued that a lengthy term in jail was "not necessary to deter Dr. Healy from engaging in future criminal conduct, or to protect the public from his future criminal acts."

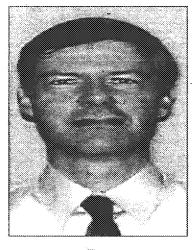
Attorney Roger Rosen called his client a "gifted healer who provided quality medical care" to a working-class community with few options for affordable care.

The prosecutors, drawing an investigation by Monrovia police and the Drug Enforcement Administration, painted a far different picture.

Healy operated in two ways: "writing prescriptions for his customers to fill, or more commonly by selling [pills] directly from his clinic to any customers who could pay." Those customers often dealt the medication on the streets and came quickly back for more, legal papers said.

Ffealy's dealings became so blatant, local pharmacists refused to fill prescriptions he wrote for his patients' prescriptions because they came in so often, involved large quantities of controlled substances and patients tended to pay in cash for the drugs.

Investigators matching his inventory against his pharmacy orders and pre-



**DOCTOR:** Prosecutors say Daniel J. Healy is a prolific drug dealer.

scription records couldn't account for 890,296 of the pills he ordered the year before he was arrested, court papers said.

Healy's Kind Care clinic was little more than a "narcotics mill" that netted him almost \$700,000 in one year: "a cash-and-carry narcotics store under the guise of providing legitimate medical treatment."

The prosecutor in the case stopped short of saying he's disappointed when I interviewed him Monday.

"Forty-eight months is a significant sentence, by any measure," said Assistant U.S. Atty, David Herzog.

The felony conviction

means Healy will lose his license. "The end result is that this defendant is no longer able to distribute narcotics into the communi\* ty and never will again."

But 48 months is considerably less than the 210-month minimum term the probation report recommended. It's less, even, than the 57 months Healy's law-yer suggested would be fair.

That's a blow to DEA efforts to crack down on abuse of prescription drugs, which is rising among teens and young adults.

Nearly 7 million Americans are abusing pharmaceutical drugs — up from 3.8 million 10 years ago, and more than the number addicted to cocaine, heroin and hallucinogens. Opiod painkillers — the kind Healy dispensed — cause more overdose deaths than cocaine and heroin combined.

Blatant drug-dealing by doctors is rare. More common is doctor-shopping by patients, thefts from pharmacies, trading meds by addicts and illicit street sales by drug dealers.

That's why Healy's sentence is so disappointing.

Here's a chance to send a message to "well-meaning" doctors like Healy who might be tempted by easy money and to suffering patients who might not realize that the mild-mannered guy with the stethoscope might have more than their well-being in mind.

sandy.banks@latimes.com



### 2009 Current Users 2010

### ANY ILLICIT DRUG:

**21**. 8 million (8.7% of population)

MARIJUANA: 16.7 million

PSYCHOTHERAPEUTIC DRUGS:

COCAINE: 1.6 million

Hallucinogens: 1.8 million

METHAMPHETAMINE: 502 000

Comments of the Comments of th

ANY ILLICIT DRUG:

22.6 million

(8.9% of population)

MARIJUANA: 17.4 million

PSYCHOTHERAPEUTIC DRUGS: 7 million

COCAINE: 1.5 million

Hallucinogens: 1.2 million

METHAMPHETAMINE: 353,000

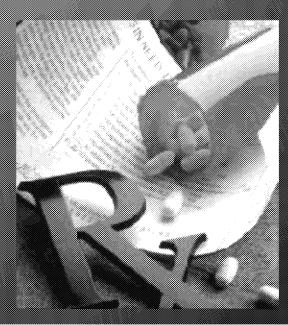
Source: 2009 8-2010 NSDUE

# Prescription Drug Abuse

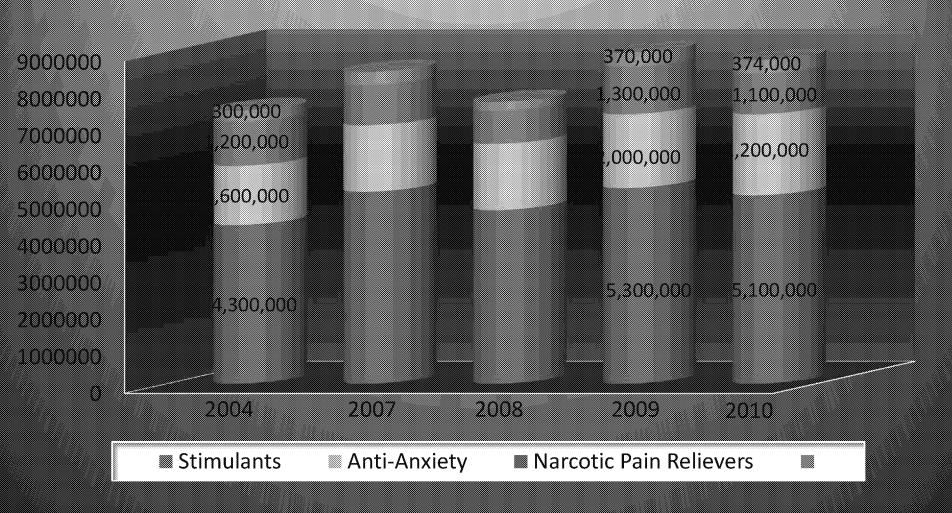
More Americans abuse prescription drugs than the number of:

Cocaine, Hallucinogen, Heroin, and Inhalant abusers

COMBINED!!!



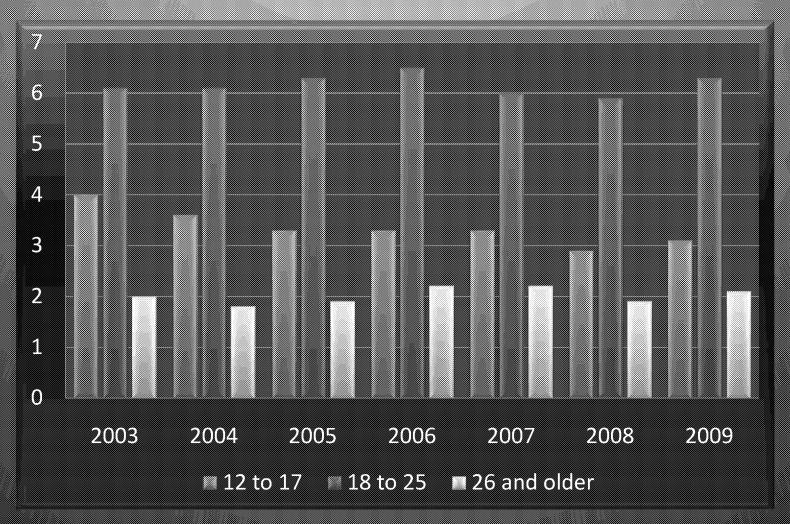
### Scope and Extent of Problem



Source: 2004, 2007, 2008, 2009, 2010 National Survey on Drug Use and Health

Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 31 of 188. PageID #: 425004

# Percentage of Past Month Nonmedical Use of Psychotherapeutics by Age, 2003-2009



Source: National Survey on Drug Use and Health





# Violence Related to Controlled Substance Pharmaceuticals







Nassau police respond to the scene of a shooting Saturday at Charlie's Family Pharmacy, 3931 Merrick Rd., in Seaford. (Dec. 31, 2011) Photo Credit, Kevin P. Coughlin.



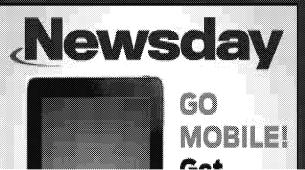
### Robbery suspect, federal agent killed in Seaford

A robbery suspect and a federal agent who had dropped by to pick up a prescription for his ailing father both died of gunshot wounds Dec. 31, 2011, after police struggled with the suspect in the doorway of a Seaford pharmacy.

Be the first to rate: \*\*\*

### Related

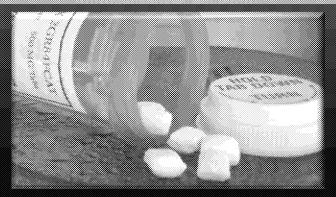




New Season

Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 36 of 188. PageID #: 425009

### Westchase teachers learn a lesson: Say 'no' to mints in pill bottles



### One of the mint-filled pill bottles distributed to some fourth graders at Westchase Elementary.

By JOSÉ PATIÑO GIRONA | The Tampa Tribune

Published February 8, 2010

What two fourth-grade teachers at Westchase Elementary School apparently thought was a creative way to calm students about to take the FCAT made at least one caregiver fear the teachers were sending a different message – that taking drugs while under stress is OK.

Sandy Young walked into her grandson's fourth-grade classroom last Thursday and saw pill bottles on each students' desk. Her mind raced with questions and thoughts of disbelief.

Young said she immediately questioned Westchase Elementary fourth-grade teacher Beth Watson about the pill bottles, which were filled with pieces of small mint candy

"She said it was nothing but some mints; it was just something special for the kids, for the FCAT to mellow them out," Young said.
Young said she was shocked and speechless and walked out of the room when Watson started the students on a math assignment.

Young said the pill bottles go against the lessons of teaching children to say no to drugs.

"We turn around and we have our teachers giving them drugs," said Young, 60, of Tampa, "I don't care if it's mints or not. ... If it's in a prescription bottle, it's a drug,"

Young said the bottle reads in part. "Watson's Whiz Kid Pharmacy. Take 1 tablet by mouth EVERY 5 MINUTES to cure FCAT jitters. Repeated use may cause craft to spontaneously ooze from pores. No refills. Ms. (Deborah) Falcon's authorization required."

The school received one complaint since pill bottles were distributed on Thursday, said Linda Cobbe, a school district spokeswoman. It's believed only two fourth-grade teachers at the school distributed the pill bottles.

The principal met with the students on Monday to confirm the pill bottles contained mints that were safe to eat. The students were asked to dump the mints in a separate container and the pill bottles were thrown away. Cobbe said

She said the bottle idea was fied to the children's book the students recently read, "George's Marvelous Medicine," about a boy who concocts potions to try to change the disposition of his crankly grandmother.

The teachers were just trying to use a creative way to get across to the students not to be stressed with the FCAT writing examination that will be administered to fourth, eighth, and 10th-graders beginning today. Cobbe said

Elementary teachers do creative things to make learning fund coope said

The teachers won't be disciplined, and it wasn't their intention to promote drug use. Cobbe said

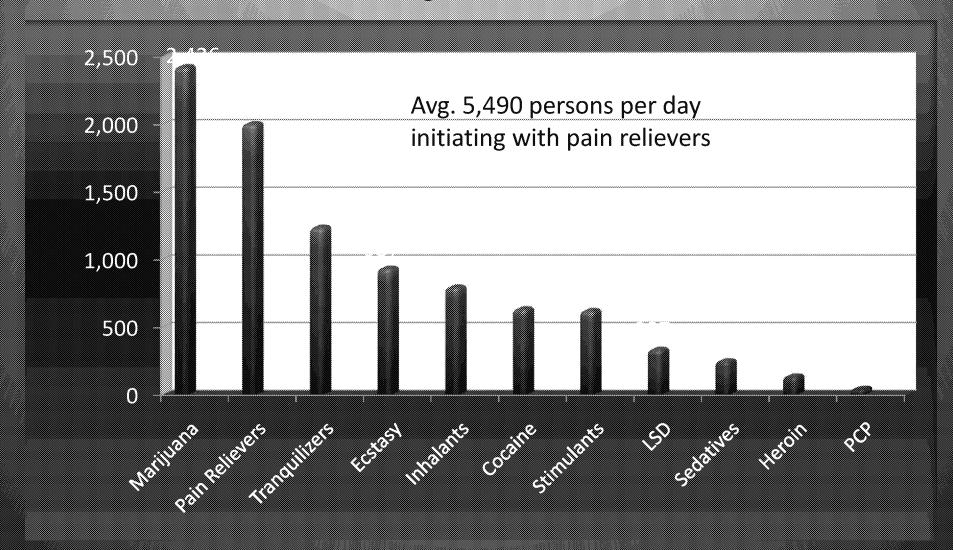
"I know that is not the intent of the teachers." Cobbe said. "That is not the outcome they would wish for "

Young said her grandson has been at Westchase Elementary for a year, and she hasn't had any complaints. But this experience has couted her

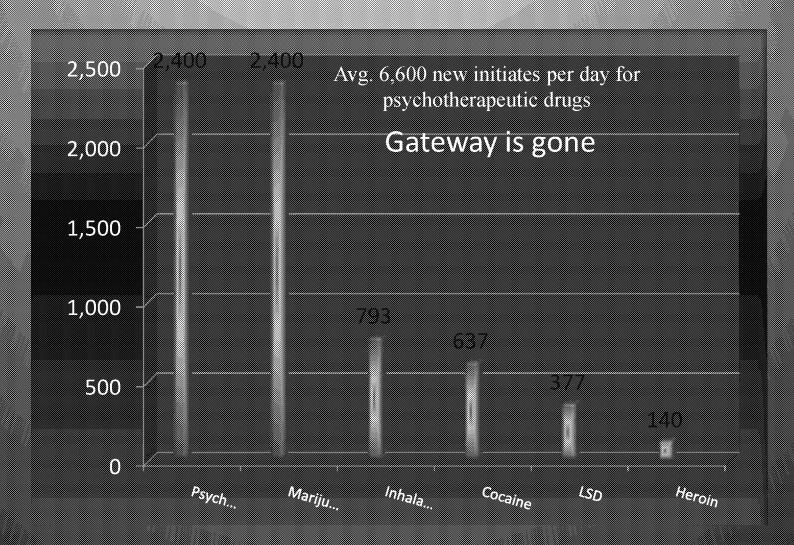
It concerns her that new someone might hand her grandson a pull coffe with drugs and he majoritizations (it's OK to consume its contents)

We as parents and grandparents have to drill it into them that this is unacceptable and hope and pray that they don't accept drugs from someone else 🖹 Young said

#### Past Year Initiates for Specific Drugs Persons Aged 12 or Older 2010



#### New Initiates 2010 - 12 years and older



Source Local District

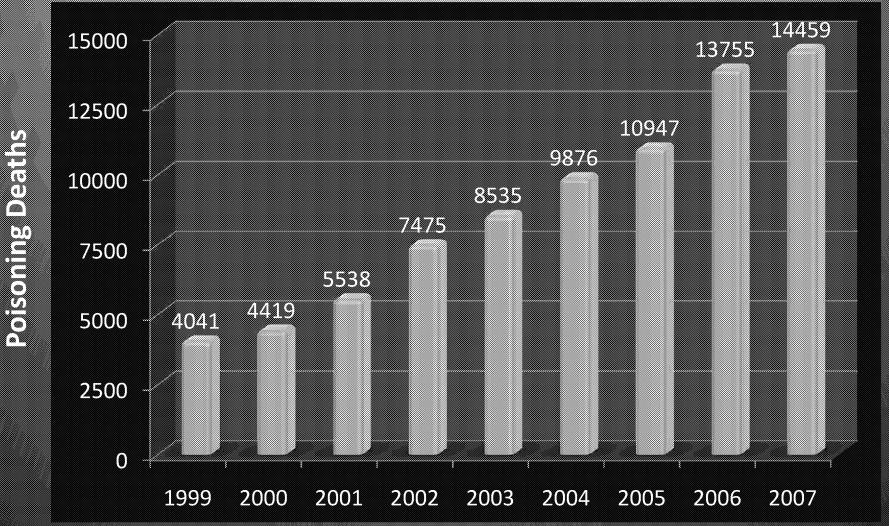
Psychotherapeutics Include: Pain Relievers, Tranquilizers, Stimulants, and Schatives.

#### Emergency Room Data 2004-2009

- Increase of 98.4%: ER visits attributable to pharmaceuticals alone
   (i.e., with no other type of drug or alcohol) (627,291 to 1,244,679)
  - No Significant Change: ER visits attributable to cocaine, heroin, marijuana, or methamphetamine
- Rx Drugs most frequently implicated:
  - Opiates/Opioids pain relievers
    - Oxycodone products 242.2% increase
    - Hydrocodone products 124.5% increase
    - Fentanyl products 117.5% increase
  - Insomnia or Anti-Anxiety medications
    - Zolpidem 154.9% increase
    - Alprazolam 148.3% increase
    - Clonazepam 114.8% increase
  - Carisoprodol 100.6% increase
  - For patients aged 20 and younger misuse/abuse of pharmaceuticals increased 45.4%
  - For patients aged 20 and older the increase was 111%.

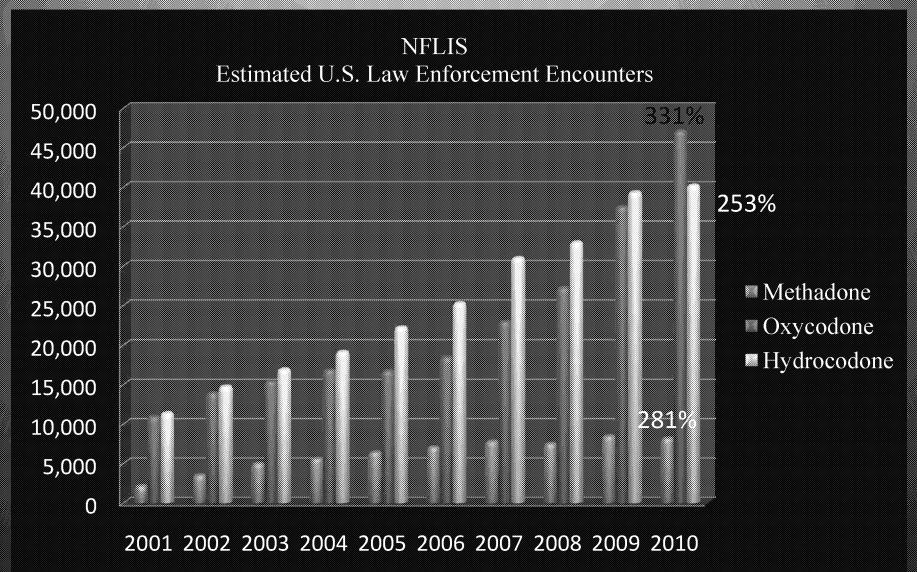
SOURCE: The DAWN Report, Highlights of the 2009 Drug Abuse Warning Network (DAWN) Findings on Drug-Related Emergency Department Visits, December 28, 2010

#### Poisoning Deaths: Opioid Analgesics



Source: CDC/RCHS, National Vital Statistics system

## Number of Forensic Cases 2001-2010

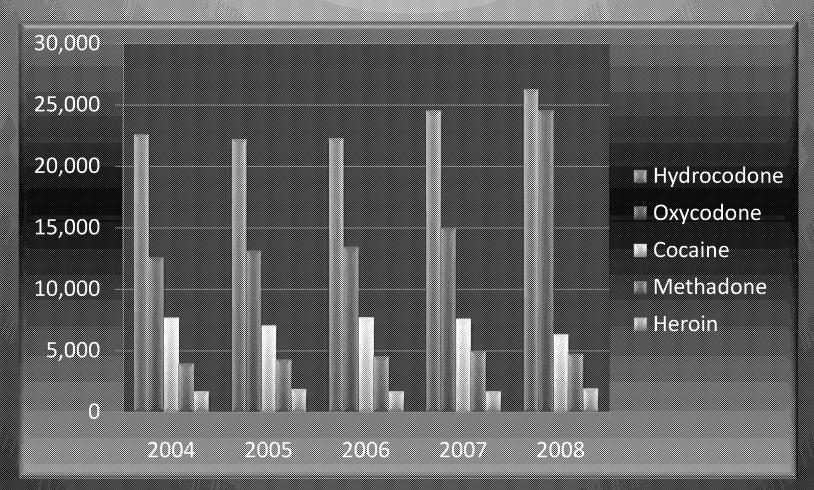


Case: 1:17-md-02804-DAP Doc#: 2816-3 Filed: 10/14/19 42 of 188. PageID#: 425015

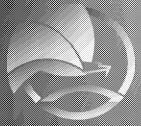
National Poison Data Center

Number of U.S. Poison Exposure Case Mentions

2004-2008



Source: American Association of Poison Control Centers (AAPCC) Annual Reports, 2004-2008



#### Statistical Perspective

The U.S. Population Grows at a Rate of Less Than 1% Per Year!

Source: U.S. Census Bureau

#### Sources of Information and Risks

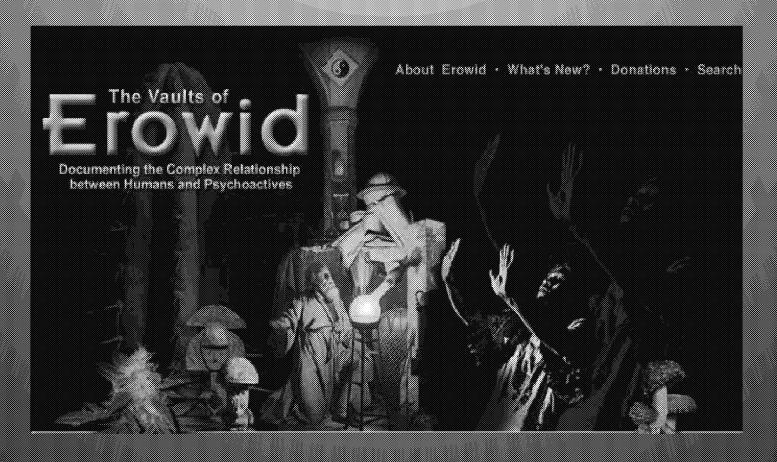
% Learned a lot about risks of drugs from	1998	2004	2005	2007	2008	2009
School	41	42	38	37	44	39*
Parents	26	28	28	29	35	31
TV Commercials	17	36	26	31	31	26*
The Internet	11	23	22	25	29	29
Websites like YouTube * = Significant at I	NA ina 35 le	<b>NA</b> /el vs 2008	NA	NA	14	17*

Source: Partnership for Drug Free America, March 2, 2010

#### Teens and Their Attitudes

% Agree strongly/somewhat	2008	2009	2010
Prescription drugs are available everywhere	42	55	38
Its easy to get prescription drugs from parent's medicine cabinets	56	63	47
Most teens get prescription drugs from their own family's medicine cabinets	59	62	51
Most teens get prescription drugs from their friends	53	52	49

## Where do kids get their information from?



#### Parents and Their Attitudes

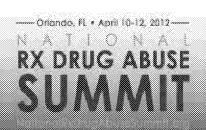
Parents are still not discussing the risks of abusing prescription and over-the-counter medicines

Parcent	2008	2009	2010
Beer/alcohol	79	79	81
Marijuana	79	79	77
Cocaine/crack	36	35	30
Prescription pain reliever w/o doctor's Rx	20	20	23
Any prescription drug used w/o doctor's Rx	21	20	22
Heroin	23	23	21
Ecstasy	21	20	21
Methamphetamine	23	21	21
Non-prescription cold/cough medicine to get high	15	14	15

Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 48 of 188. PageID #: 425021

## Who are the Victims of Prescription Drug Abuse

- The drug abuser
- Children
- Parents / Family members
- Society / Taxpayer
  - Loss of productivity
  - Cost of uncompensated medical costs
  - Cost of social services
  - Costs for treatment
  - Cost to judicial system



#### Economic Impact – The Cascading Effect

2006 estimated cost in the United States from nonmedical use of prescription opioids

#### \$53.4 BILLION

- \$42 billion Lost productivity
- \$8.2 billion Criminal Justice costs
- \$2.2 billion Treatment costs
- \$944 million Medical complications

Five drugs — OxyContin, oxycodone, hydrocodone, propoxyphene, and methadone accounted for two-thirds of the economic burden

Source: Clinical Journal of Pain, December 2010, University of Washington, Hansen RN; Oster, G; Edelberg, J; Woody, GE; and Sullivan, SD

Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 50 of 188. PageID #: 425023

WE WILL DOLLAR CEST OUT WAY OUT OF INIS

- Enforcement is just as important as....
- Prevention/Education
- Treatment



#### ONDCP Strategy



"Epidemic: Responding To America's Prescription Drug Abuse Crisis" (Released in April 2011)

#### Highlights:

- Editoritori
  - Healthcare Provider Education
  - Parent, Youth, and Patient Education
- Tracking and Monitoring
  - Work with states to establish effective PDMPs
  - Support NASPER
  - Explore reimbursements to prescribers who check PDMPs before writing a prescription



#### ONDCP Strategy con't



- Proper Medicine Disposal
- Enforcement
  - Assist states address doctor shopping and pill mills
  - Increase HIDTA intelligence-gathering and investigation of prescription drug trafficking
  - Expand the use of PDMPs to identify criminal prescribers and clinics
- Prescription Drug Abuse Plan Goals
  - 15% reduction in non-medical use of prescription-type psychotherapeutic drugs;
  - Write and disseminate a Model Pain Clinic Regulation Law within 12 months;
  - Implement REMS for long-acting and extended release opioids within 12 months

## Most Frequent Method of Obtaining a Pharmaceutical Controlled Substance for Non Medical Use

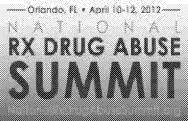
Friends and Family...For Free!!

# The Medicine Cabinet and the Problem of Pharmaceutical Controlled Substance Disposal

#### The Problem – Easy Access







#### **CSA Definitions**

- An "ultimate user" is a person who has lawfully obtained, and who possesses, a controlled substance for his own use or for the use of a member of his household or for an animal owned by him or by a member of his household.
- To <u>distribute</u> means to deliver (other than by administering or dispensing) a controlled substance or a listed chemical.

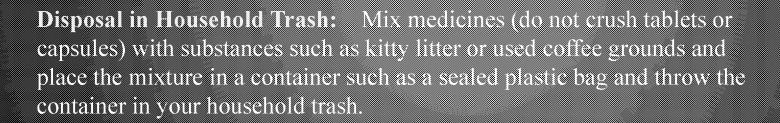
21 U.S.C. 802

#### Ultimate User Disposal of Medicines

**National Take-Back Events:** Take-back events are a good way to remove expired, unwanted, or unused medicines from the home.

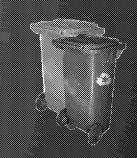


**Law Enforcement Collection Bins:** Collection bins installed by our Law Enforcement Partners are a good way to remove expired, unwanted, or unused medicines from the home.



**Disposal by Flushing:** Some medicines have specific disposal instructions that indicate they should be flushed down the sink or toilet when they are no longer needed.







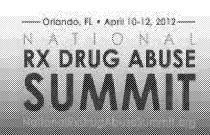
#### Law Enforcement

- Law enforcement officers, acting to enforce laws regarding the abandonment of controlled substances, may receive controlled substances from ultimate users.
- Law enforcement must safeguard the controlled substances and ensure that they are destroyed properly.
- Law enforcement must be present during the destruction of the controlled substances.

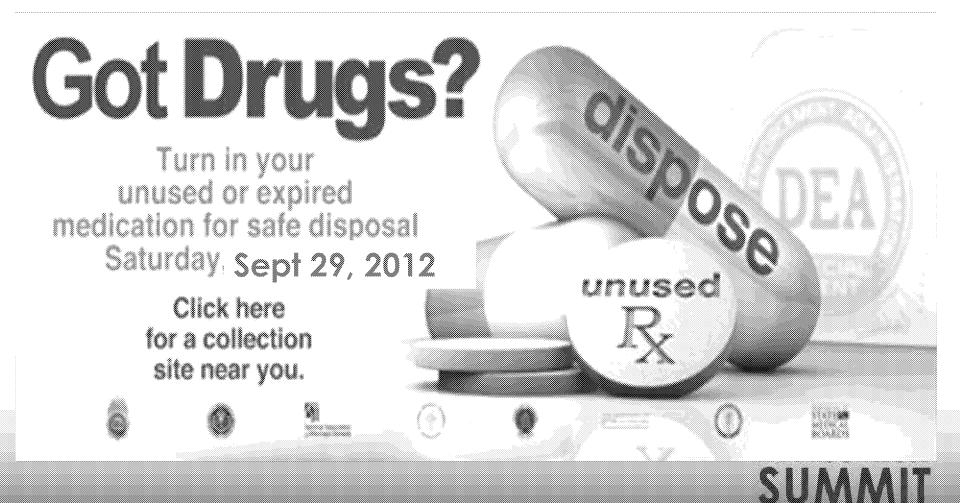
## So Many Drugs in the Household – Why?

Unreasonable quantities being prescribed

Insurance rules

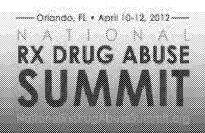


#### National Take Back Initiative September 29, 2012



#### Nationwide Take-back Initiative

- On September 30, 2010, 122 tons of prescription drugs collected
- On April 30, 2011, 188 tons of prescription drugs collected
- On October 29, 2011, 189 tons of prescription drugs collected
- On April 28, 2012, approximately 272 tons of prescription drugs collected (est.)



Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 62 of 188. PageID #: 425035

## Secure and Responsible Drug Disposal Act of 2010

- Enacted in October 2010 (Pub. L. 111-273, codified at 21 U.S.C. 822(g) and 823(b)(3))
- Act allows an ultimate user to "deliver" a controlled substance "to another person for the purpose of disposal" in accordance with regulations issued by DEA
- If the ultimate user dies while in lawful possession of the controlled substance, then any person lawfully entitled to dispose of the decedent's property may deliver the controlled substance to another person for the purpose of disposal.
- DEA may also, by regulation, authorize long term care facilities (LTCFs) to dispose
  of controlled substances on behalf of ultimate users who reside or have resided at
  the LTCF.
- DEA is working to promulgate regulations to implement this Act. DEA must consider:
  - Public health and safety
  - Ease and cost of program implementation
  - Participation by various communities
  - Diversion Control
- Participation is voluntary. DEA may not require any person to establish or operate a delivery or disposal program.

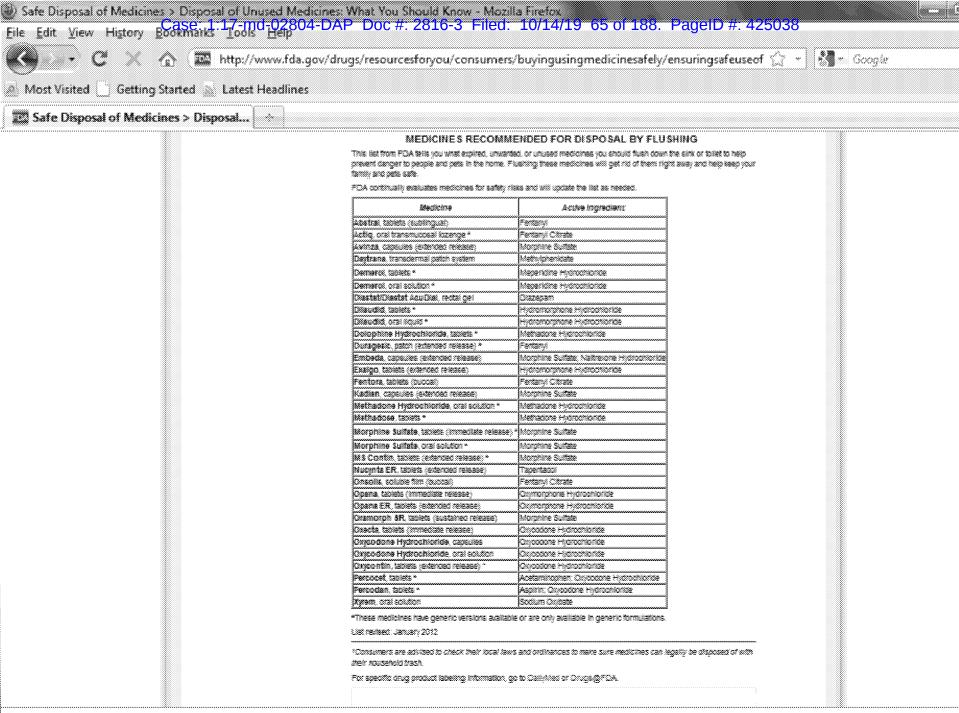
#### **ONDCP** Guidelines

 ONDCP guidelines for the disposal of ultimate user medications, including dispensed controlled substances (2/20/07).

 Advise public to flush medications only if the prescription label or accompanying patient information specifically states to do so.

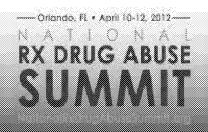
 ONDCP recommends a minimal deactivation procedure, and disposal in common household trash.





## Other Trends Related to the Medicine Cabinet

- Real estate
- Trip to relatives/friends house
- Easy access at home

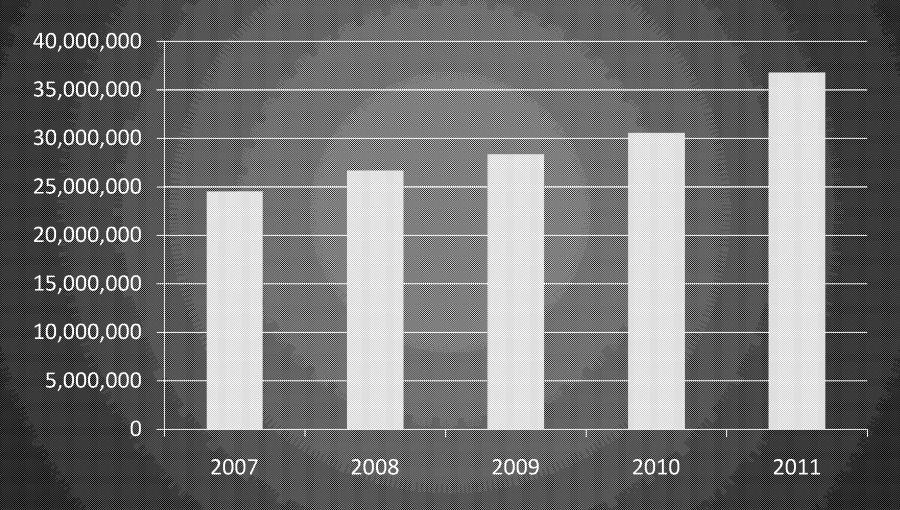




#### Non-Controlled Substances

- Analgesic:
  - Tramadol (Ultram®, Ultracet®)
- Muscle Relaxant:
  - Cyclobenzaprine (Flexeril®)

#### Tramadol Prescriptions



Source: IMS Health National Prescription Audit Plus downloaded 6/5/2012

#### NELIS Data

Reporting period:

January 2011 through June 2011

Tramadol

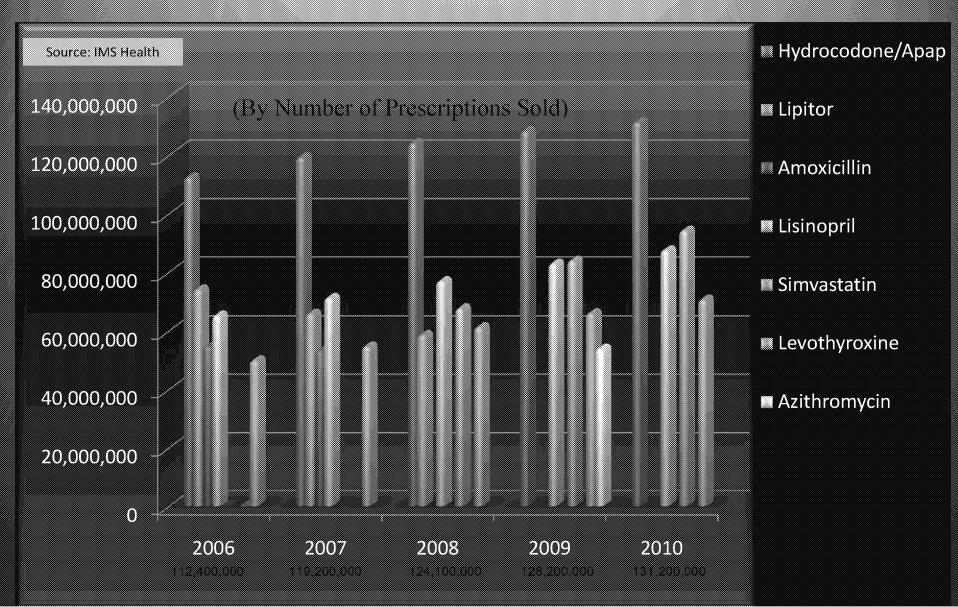
720 reports

1.09%

## Most commonly prescribed prescription medicine?

Hydrocodone/acetaminophen

## Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 72 of 188. PageID #: 425045



Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 73 of 188. PageID #: 425046

# Top 50 Generic Drugs by Total Prescriptions 2010

Rank	Drug	Total Rxs	Change from Previous Year	Rank	Drug	Total Rxs	Change from Previous Year
1	Hydrocodone/APAP	122,806,850	2.10%	26	Lorazepam	23,428,627	3.70%
2	Lisinopril	76,901,813	4.30%	27	Warfarin	23,388,338	1.50%
3	Simvastatin	76,771,821	4.90%	28	Clonazepam	23,085,065	4.00%
4	Lewothyroxine	68,222,152	8.20%	29	Fluticasone nasal	22,447,832	19.70%
5	Amoxicillin	51,083,822	-0.60%	30	Cyclobenzaprine	22,240,071	7.30%
6	Amlodipine besylate	50,186,652	11.70%	31	Cephalexin	21,943,482	2.70%
7	Azithromycin	48,756,188	-2.10%	32	Trimethoprim/sulfa	21,345,723	4.50%
8	Alprazolam	46,201,182	3.90%	33	Fexofenadine	20,430,430	27.50%
9	Hydrochlorothiazide	45,838,017	-0.80%	34	Amoxicillin/pot clav	20,234,873	1.20%
10	Omeprazole	44,795,175	15.40%	35	Ciprofloxacin HCI	20,063,382	1.80%
11	Metformin	41,932,689	4.70%	36	Pravastatin	20,026,786	17.90%
12	Furosemide oral	36,583,895	-0.10%	37	Trazodone HCI	18,786,495	6.50%
13	Metoprolol tartrate	34,707,807	-0.50%	38	Lovastatin	17,509,951	13.50%
14	Atenolol	33,839,806	-11.00%	39	Triamterene/HCTZ	17,201,037	-7.00%
15	Sertraline	33,409,838	8.90%	40	Carvedilol	16,681,336	8.30%
16	Metoprolol succinate	32,224,000	12.00%	41	Alendronate	16,177,014	-6.90%
17	Zolpidem tartrate	29,719,569	-2.80%	42	Ranitidine HCl	14,699,414	6.60%
18	Oxycodone/APAP	28,705,243	6.80%	43	Meloxicam	14,645,167	2.90%
19	Citalopram HBR	27,993,635	9.40%	44	Diazepam	14,584,147	7.10%
20	Gabapentin	26,865,557	14.00%	45	Naproxen	14,297,759	10.30%
21	lbuprofen	26,256,548	3.20%	46	Propoxyphene-N/APAP	14,274,354	-18.70%
22	Prednisone oral	25,529,463	-2.70%	47	Fluconazole	13,938,887	4.60%
23	Tramadol	25,527,796	10.30%	48	Methylprednisolone tabs	13,659,852	11.30%
24	Lisinopril/HCTZ	24,538,247	8.00%	49	Doxycycline	13,199,430	1.90%
25	Fluoxetine	24,473,994	6.80%	50	Paroxetine	12,979,366	-14.40%

Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 74 of 188. PageID #: 425047

# Top 50 Generic Drugs by Total Prescriptions 2009

Rank	Drug	Total Rxs	Change from Previous Year	Rank	Drug	Total Rxs	Change from Previous Year
-1	Hydrocodone/APAP	120,478,000	-0.60%	26	Clonazepam	23,090,000	5.70%
2	Lisinopril	74,544,000	6.80%	27	Lisinopril/HCTZ	22,898,000	12.40%
3	Simvastatin	72,966,000	21.30%	28	Lorazepam	22,436,000	1.80%
4	Levothyroxine	63,710,000	8.70%	29	Cephalexin	21,415,000	-3.00%
5	Amoxicillin	51,430,000	-1.20%	30	Cyclobenzaprine	21,086,000	6.10%
6	Azithromycin	49,902,000	1.30%	31	Amoxicillin/pot. clav.	20,504,000	2.10%
7	Hydrochlorothiazide	46,403,000	-1.40%	32	Trimethoprim/sulfa	20,462,000	40.20%
8	Amlodipine besylate	45,107,000	15.60%	33	Ciprofloxacin HCI	19,673,000	-3.90%
9	Alprazolam	44,467,000	2.00%	34	Fluticasone nasal	18,866,000	16.70%
10	Metformin	42,161,000	5.30%	35	Triamterene w/HCTZ	18,566,000	-8.80%
11	Omeprazole	38,791,000	33.00%	36	Pravastatin	17,827,000	30.90%
12	Atenolol	37,973,000	-7.20%	37	Trazodone HCI	17,740,000	6.20%
13	Furosemide oral	36,774,000	-1.80%	38	Propoxyphene-N/APAP	17,575,000	-13.90%
14	Metoprolol tartrate	36,016,000	21.40%	39	Alendronate	17,458,000	31.00%
15	Sertraline	30,508,000	3.50%	40	Fexofenadine	16,689,000	1.20%
16	Zolpidem tartrate	30,081,000	6.20%	41	Lovastatin	15,498,000	1.30%
17	Metoprolol succinate	27,884,000	-28.30%	42	Carvedilol	15,392,000	20.90%
18	Oxycodone w/APAP	27,238,000	3.80%	43	Paroxetine	15,048,000	-3.30%
19	Prednisone oral	26,291,000	6.20%	44	Meloxicam	14,073,000	17.20%
20	Citalopram HBR	25,856,000	19.90%	45	Diazepam	13,957,000	0.60%
21	lbuprofen	25,728,000	0.70%	48	Ranitidine HCI	13,817,000	8.70%
22	Fluoxetine	23,417,000	0.60%	47	Fluconazole	13,381,000	3.00%
23	Gabapentin	23,351,000	13.00%	48	Naproxen	13,193,000	0.00%
24	Warfarin	23,287,000	2.00%	49	Doxycycline	13,167,000	5.10%
25	Tramadol	23,282,000	9.40%	50	Amitriptyline	12,904,000	-3.00%

Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 75 of 188. PageID #: 425048



### Hydrocodone, APAP can

- Hydrocodone / Acetaminophen (toxicity)
- ➤ Similarities:
  - Structurally related to codeine
  - Equal to morphine in producing opiate-like effects
- ➤Brand Names: Vicodin®, Lortab®, Lorcet®
- "Cocktail" or "Holy Trinity"
  - Hydrocodone
  - Soma ® / carisoprodol
  - Alprazolam / Xanax®
- Street prices: \$2 to \$10+ per tablet depending on strength & region



#### Case: 1:17-m State Ranking File H10/d/10 76 of 186 RageID #: 425049

#### Total Dosage Units Sold to Retail January 1, 2010 – December 31, 2011

	2011 2010				2011			2010			
		TOTAL		TOTAL	% CHANGE			TOTAL		TOTAL	% CHANGE
STATE	RANK	DOSAGE	RANK	DOSAGE	2010 to	STATE	RANK	DOSAGE	RANK	DOSAGE	2010 to
		UNITS		UNITS	2011			UNITS		UNITS	2011
CA	1	1,070,071,036	1	1,008,085,597	6%	CO	29	96,427,859	29	93,524,023	3%
TX	2	881,240,377	2	825,923,242	6%	MN	30	76,880,520	30	73,153,391	5%
TN	3	439,728,700	3	475,681,320	-8%	IA	31	74,022,276	31	68,748,014	7%
MI	4	436,081,376	5	397,828,308	9%	MA	32	66,153,063	32	64,746,507	2%
FL	5	412,449,314	4	402,021,110	3%	NJ	33	64,979,025	34	61,551,852	5%
OH	6	319,235,352	6	303,268,137	5%	UT	34	64,669,054	33	64,047,210	1%
IL	7	316,944,665	7	288,359,428	9%	MD	35	56,853,556	35	55,061,251	3%
IN	8	294,538,688	9	269,256,309	9%	ID	36	53,514,031	36	49,084,374	8%
NY	9	283,936,955	8	287,237,385	-1%	NM	37	50,534,790	37	48,901,869	3%
GA	10	274,651,122	10	255,493,723	7%	NE	38	39,104,287	39	35,516,505	9%
SC	11	262,995,007	11	247,722,550	6%	CT	39	38,090,207	38	35,879,692	6%
AL	12	252,871,816	14	231,802,448	8%	ME	40	31,823,602	40	30,631,728	4%
KY	13	248,071,282	13	234,303,755	6%	MT	41	29,956,540	41	27,583,894	8%
PA	14	246,555,534	12	234,945,069	5%	RI	42	23,355,637	42	22,593,260	3%
NC	15	234,966,344	15	216,889,030	8%	HI	43	21,400,480	43	21,063,460	2%
MO	16	208,785,825	16	180,038,768	14%	SD	44	18,744,726	44	17,303,573	8%
OK	17	192,642,379	17	179,114,866	7%	NH	45	16,270,322	45	15,792,203	3%
LA	18	170,903,746	20	156,098,877	9%	AK	46	14,795,894	46	14,027,075	5%
WA	19	166,055,312	19	163,621,829	1%	WY	47	13,916,883	47	13,350,627	4%
NV	20	161,198,104	18	169,303,028	-5%	ND	48	12,479,481	48	10,515,903	16%
VA	21	157,974,527	21	147,003,823	7%	DE	49	10,936,956	49	10,391,298	5%
AZ	22	153,002,866	22	143,450,419	6%	VT	50	8,195,310	50	7,920,278	3%
MS	23	128,184,306	24	116,311,926	9%	DC	51	2,633,674		2,504,112	5%
OR	24	127,284,645	23	122,322,459	4%	PR	52	1,793,600	52	1,785,440	0%
AR	25	121,768,590	25	112,768,066	7%	VIR ISL	53	407,500	53	358,700	12%
WI	26	117,797,893	26	112,507,848	4%	GUAM	54	294,700	54	302,480	-3%
KS	27	101,921,733	28	94,285,791	7%	AM	55	7,000	55	0	100%
WV	28	97,449,564	27	94,782,536	3%	TOTAL	DU's	8,767,548,031		8,316,766,366	

# National Poison Data System (Formerly known as Toxic Exposure Surveillance System) – Total Annual Mentions of Toxic Exposures

	Hydrocodone	Oxycodone		
2001	15,191	9,480		
2002	17,429	10,515		
2003	19,578	11,254		
2004	22,654	12,603		
2005	22,229	13,191		
2006	22319	13,473		
2007	24,558	15,069		
2008	26,306	17,256		
2009	27,753	18,396		
2010	28,310	19,363		

#### NFLIS - State, local and federal cases reported

	Hydrocodone	Oxycodone
2002	9,106	7,993
2003	11,617	9,431
2004	16,299	13,342
2005	21,019	14,417
2006	24,798	17,733
2007	30,410	22,160
2008	33,611	28,340
2009	37,888	37,673
2010	39,138	47,193
2011	33,423	42,279

# National Forensic Laboratory Information System (NFLIS) – State, local and federal exhibits

	Hydrocodone	Oxycodone
2002	10,511	9,464
2003	13,699	11,311
2004	18,303	15,519
2005	23,537	17,057
2006	27,929	21,155
2007	34,449	26,479
2008	38,424	34,655
2009	44,077	46,590
2010	45,562	60,186
2011	39,226	53,788

#### Drug Abuse Warning Network (DAWN) - Emergency Department Mentions

Year	Hydrocodone	Oxycodone	
	1994	9,320	4,069
	1995	9,686	3,393
	1996	11,419	3,190
	1997	11,570	5,012
	1998	13,611	5,211
	1999	15,252	6,429
	2000	20,098	10,825
	2001	21,567	18,409
	2002	25,197	22,397
2004*		39,844	41,701
	2005	47,192	52,943
	2006	57,550	64,888
	2007	65,735	76,587
	2008	89,051	105,214
	2009	86,258	148,449

\*Changes in DAWN methodology were implemented in 2004 and thus the data from 2004 through 2009 cannot be compared to those of the previous years.

#### Monitoring the Future, Annual Prevalence (Past Year Use) in Percent

	2(00)2	2003	2004	2005	2006	2007	2008	2009	2010	2011
Oxycontin										
8th Grade						18			2.1	1.8
10th Grade	3.0	3.6						5	4.6	3.9
12th Grade	4.0	4					4.7	4.9	5.1	4.9
Vicodin										
8th Grade	2.5						2.9		2.7	2.1
10th Grade	6.9						67	8.1	7.7	5.9
12th Grade	9.6				3.7			9.7	8.0	81

From 2010 to 2011, there was a statistically significant decrease (1.8%) for 10th graders in past year use of Vicodin.

# National Survey on Drug Use and Health – Lifetime nonmedical users of hydrocodone and oxycodone

Year	Hydrocodone Products	Oxycodone Products
2002	13,952,000	10,151,000
2003	16,808,000	11,538,000
2004	17,734,000	11,925,000
2005	18,875,000	12,029,000
2006	20,755,000	12,858,000
2007	21,335,000	13,055,000
2008	22,838,000	13,759,000
2009	23,543,000	15,281,000
2010	24,093,000	15,553,000

#### Case: 1:17-md-State Rankingled: Oxycodone geld #: 425056

### Total Dosage Units Sold to Retail January 1, 2010 – December 31, 2011

	004	4		0040							
	2011 2010				2011			2010			
		TOTAL		TOTAL	% CHANGE			TOTAL	RAN	TOTAL	% CHANGE
STATE	RANK	DOSAGE	RANK	DOSAGE	2010 to	STATE	RANK	DOSAGE	K	DOSAGE	2010 to
		UNITS		UNITS	2011			UNITS	,	UNITS	2011
FL	1	525,338,986	1	650,885,860	-24%	LA	29	56,074,553	29	49,599,949	12%
PA	2	311,529,433	2	288,870,043	7%	UT	30	50,697,974	30	47,895,830	6%
NY	3	299,937,485	4	266, 896, 986	11%	NM	31	48,896,260	31	45,697,500	7%
CA	4	295,022,496	5	261, 181, 184	11%	IL	32	47,700,128	33	42,805,010	10%
ОН	5	289,383,062	3	282,936,529	2%	WV	33	45,830,170	32	42,911,440	6%
NC	6	222,189,039	6	201,693,238	9%	AR	34	42,524,552	34	39,873,970	6%
NJ	7	195,014,871	7	179,311,163	8%	KS	35	41,646,268	36	37,315,942	10%
AZ	8	173,034,663	8	154,633,084	11%	DE	36	39,956,010	35	37,620,204	6%
TN	9	158,340,886	11	141,889,292	10%	ME	37	35,748,190	37	34,383,060	4%
WA	10	153,748,970	9	151,249,822	2%	NH	38	30,851,640	38	29,799,340	3%
MA	11	151,947,593	10	146,314,057	4%	MS	39	28, 293, 808	40	24,573,192	13%
MD	12	149,086,425	12	141,639,892	5%	ΙA	40	27,996,044	39	25,805,582	8%
GA	13	142,133,490	13	125,986,084	11%	RI	41	20,227,440	42	18,148,220	10%
VA	14	131,740,301	14	118,068,618	10%	HI	42	20, 153, 440	41	18,897,498	6%
CO	15	112,194,642	17	100,227,545	11%	ID	43	17,952,864	45	15,583,792	13%
МО	16	109,876,292	18	99,979,350	9%	MT	44	17,228,940	43	16,533,080	4%
WI	17	108,480,463	16	100,329,263	8%	NE	45	17,225,401	44	16, 154, 094	6%
OR	18	107, 116, 456	15	101,389,306	5%	AK	46	13, 325, 196	48	12,287,550	8%
KY	19	94,901,418	19	81,873,088	14%	PR	47	12,810,809	46	12,525,590	2%
IN	20	90, 455, 351	20	80,726,827	11%	VT	48	12,534,921	47	12,422,380	1%
MI	21	82,434,611	21	73,164,053	11%	DC	49	9,269,620	49	8,839,300	5%
SC	22	79,359,293	23	71,450,580	10%	WY	50	9,016,202	50	8,530,680	5%
MN	23	76, 127, 137	24	69,549,000	9%	SD	51	8,535,958	51	8,025,872	6%
CT	24	74,439,138	22	71,531,918	4%	ND	52	7,632,423	52	6,598,122	14%
NV	25	70,560,182	25	63,270,105	10%	GUAM	53	511,440	53	463,800	9%
TX	26	69,676,107	26	62,437,942	10%	<b>VIR ISL</b>	54	288,500	54	301,080	-4%
AL	27	61,157,797	28	51,216,443	16%	AM SAM	55	42,800	55	50,200	-17%
OK	28	57,706,857	27	52,363,292	9%	TOTAL	DU's	5,055,904,995		4,804,706,841	5%

Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 84 of 188. PageID #: 425057

### OxyContin® (Schedule II)

- Controlled release formulation of Schedule II oxycodone
  - The controlled release method of delivery allows for a longer duration of drug action so it contains much larger doses of oxycodone
  - Abusers easily compromise the controlled release formulation by crushing the tablets for a powerful morphine-like high
  - Street Slang: "Hillbilly Heroin"
  - 10, 15, 20, 30, 40, 60, 80mg available
- Effects:
  - Similar to morphine in effects and potential for abuse/ dependence
- Street price: Approx. \$80 per 80mg tablet
- Since 2002, use among 12th graders has remained between approximately 4% and 5%\*

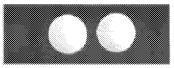
SOURCE: 2007 Monitoring the Future study released April 2008

### Other Oxycodone Products

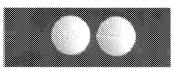
Percocet

Percodan

Tylox



Trade Name: Percodan-Densi Controlled Ingredient; oxyxxxione bydrochloride 2.25 rng and oxyxxolone terephthalate 0.59 mg Other Ingredients; aspirin, 3.25 mg



Trade Name! Percodus: Controlled Ingredient Oxydodone hydrochloride 4.3 mg and oxydolose rerephthalate 9.38 mg Other Ingredients, asperia, 323 mg



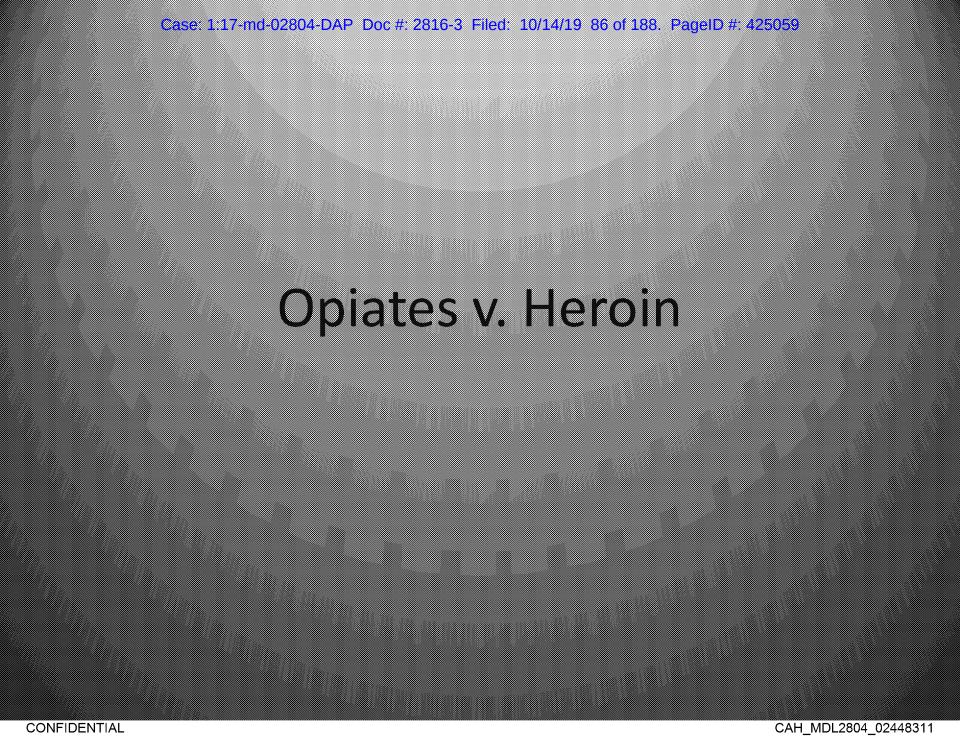
Trade Name: Tylox Constrolled legredient: exycodone hydrochloride 4.5 mg and exycodone terephthalate 3.8 mg Other Ingredients: Accominophen, 500 mg

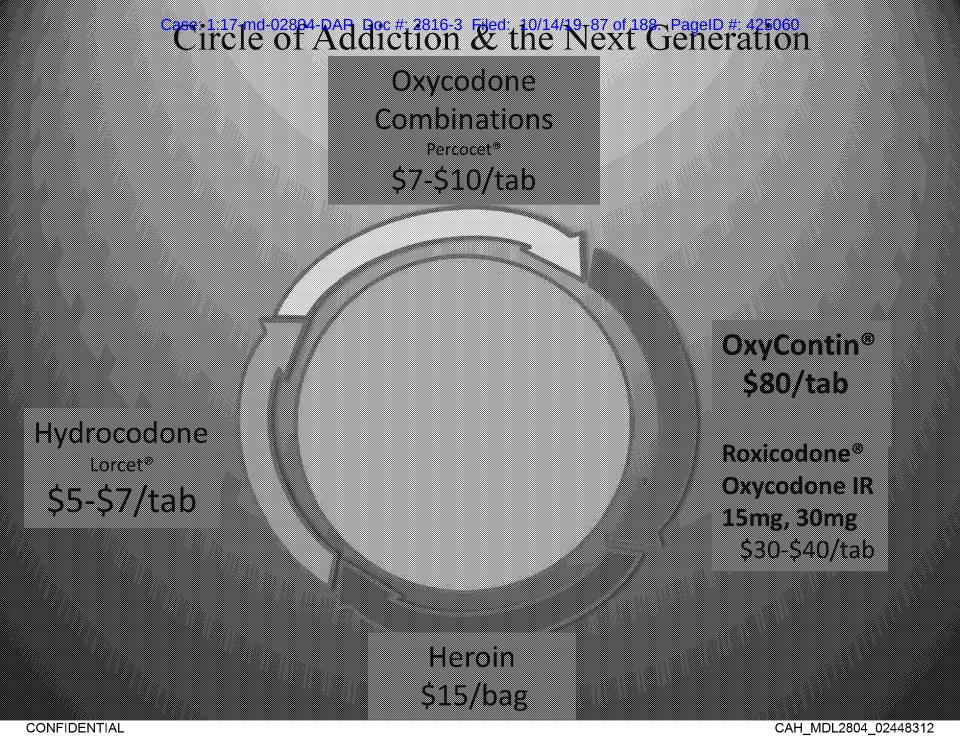


Trade Name: Percocet
Controlled Ingredient; exycodone hydrochlopde,
S mg
Other Ingredients: Acctominophen, 325 mg

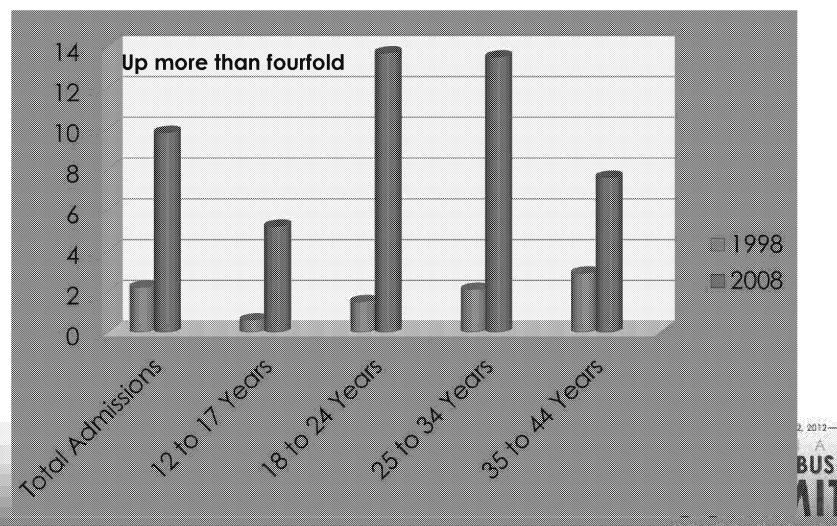
#### Roxicodone







Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 88 of 188. PageID #: 425061 Substance Abuse Treatment Admissions within Specific Age Groups That Reported Any Pain Reliever Abuse: 1998-2008



Source: SAMSHA Treatment Episode Data Set, 1998-2008 released July 15, 2010



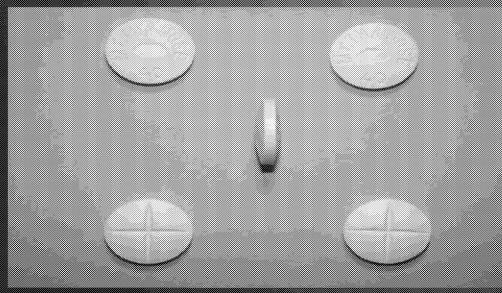
# Methadone-5mg & 10mg





Mallinckrodt Pharmaceuticals 5 mg & 10mg

# Methadone 40 mg





#### Bluefield Paily Telegraph

William 'Randy' Derson

Thomas A. Colley.

Samuelona Pengili i Munapita bolasi

Then be approximated spoke to me, saying, this is the word of the LORD to Zerubbabet saying. Not be expended not by power, but by my sports, said the LORD of basts."

(Zachariah 4:K ARJV)

#### Overdose deaths

#### Prescription drugs take deadly toll in WV

r alarming new study has jound that prostription drugs killed more beoble in Wast Virginia in 2016 than illegal drugs. According to the report, ring out of the 10 accidental merdose deaths reported in the Mourtain Stats involved prescription drugs. Hoseworkers in a joint state-federal study carre to the crosbling conclusion after studying 432 accidental overdose autopsy reports, excluding suicides and overdoses, the Associated Press reported

The report found that one-third of the prescription drugs taken during the fatal little denis were being used as a result of a prescription (seed by a doctor within the last 30 days. The report found fewer than one in fath of the deaths involved illegal narrowers.

Aran isall, a Contest for Discass Control Epidemic Intelligence Service Officer Int the West Virginia Department of Health and Human Resources, said there is a perception among some cities that just because narectics are legal and prescribed drugs, they are somehow safer.

The tepon; found that methadone ennirmined to one of three deaths, or more than any other prescription drug. However, the report found that only 10 of the overdose victims were corolled in a methadone clinic for originabuse treatment.

i The report found that ether operid I thugs trequestly linked to accidental Loverdow deaths included hydrocodone We must take steps now to educate allowers of the growing number of accidental overdose deaths in the state associated with the misuse of legally prescribed drugs.

and expendence. The two narceties contributed to one in five deaths. Morphine contributed to about one in seven deaths, the report found. Anti-anxiety drugs were found in 43 percent of the deaths.

While law enforcement officials have been fighting the Elegal drug scourge in our region for years, accidental everdose deaths associated with the misuse of prescription naccolies now represents an emerging epidemic for the Mountain State.

The alarming new study from the West Virginia Department of Health and Human Resources should be viewed as a sail to action for our community. We must take steps now to educate citizens of the growing number of accidental overduse destins in the state associated with the misuse of legally prescribed drugs.

We must sel now to educate our community. If we fail to act, the number of accidental overdose deaths in the state and the region could continue to rise. It will take a combined effort of public education and law enforcement compecation to reduce these alarming statistics.

#### editorials

# Rising methadone deaths.

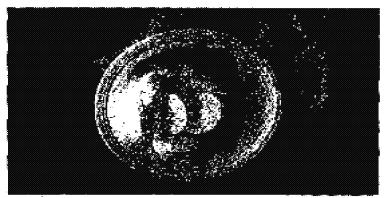
**Our view:** Baltimore public health officials are trying to find out if treatment for chronic pain sufferers accounts for increase in methadone overdoses

HE JUNE LETTER FROM THE BALITMORE REALTH Department alerted physicians, curses and other providers to a significant increase in methadone-related overdose deaths. The letter from Dr. Laura Herrera, a deputy city bealth commissioner, raised the possibility that the overdoses involved prescriptions for pain. It was a cautionary reminder that health care providers should educate their patients about the proper use of methadone and the lethal risks of taking extra doses.

Or. Herrera was right to be concerned: Methadone overdose deaths of city residents have sisen from seven in 1995 to 74 in 2007. In 2007, the last year for which statistics are available, there was a 23 percent increase in such deaths over the previous year. The city draths coincide with a similarly disturbing fivefold increase in methadone related deaths nationally between 1999 and 2005. But proving that the use of methadone as a poin reliever caused (bese deaths lan't easy—no one tracks how manty physicians prescribe methadone to relieve chronic pain from cancer or arthritis, for example.

Prescribing methadose has been an accepted form of treatment for chronic pain for some time, according to pain specialists at Johns Hopkins Hospital and the University of Maryland Medical Center. They add that they have seen no methadone-related deaths among their patients. Methadone used for pain treatment is prescribed in pilitorn; its risk stems from the drug's potency and its lingering presence in the body once its pain-relieving function has ceased. An extra descould slow down a patient's breathing, resulting in come or death.

To identify the extent of the problem and the patients most at risk, the city Health Department has reviewed data from the medical examiner's office. It also has asked the quasi-public city agency that over-cres drug treatment in Baltimare to cross-check methadone overdose victims against its patient resters. That's a tritical aspect of the review because it could knower misses, abuse or diversion of methadone



- **M'eth adone tableta in e cup. B**alta**40**PE 884 AHOTO: Leceirs indire

from drug treatment centers. Or it could lend credence to the prevailing view that more training is required for private physiciaus who prescribe methodore for pain.

At least 29 states have prescription monitoring programs that would identify indiscriminate prescribing doctor-shopping and other shoises. A task force established this year in Maryland is studying the possibility of establishing a similar tracking system for methodone and other controlled substances.

Until then, Dr. Herrera and her colleagues at the Health Deportment have moved expeditiously and forthrightly to unravel this mystery. The results of their hadings are the key to understanding and reversing this disturbing trend.



THE MOTHER LODE'S LEADING INFORMATION SOURCE

# Report finds trends in child deaths

By ALISHA WYMAN The Union Democras

Prescription drug abuse, spicide and vehicle accidents were the most prevaient causes of death last year among children and young adults in Tusiumne County, according to a recently-released report,

The Child Death Review Team, made—rise in abuse of prescription drugs, the Sonora Police Department, the Public Health Department, Child Welfare Services and other agencies. examined 11 deaths of youths through age 25. Most were teens and young

One of the concerning trends was a

up of officials from the Sheriff's Office, particularly methadone, Sheffiff's spokesman Lt. Dan Bressler said.

"What we're finding is even small amounts of methadose mixed with alcohol can cause death," he said. "It doesn't take much."

Three young people died of accidental overdose in 2007, two of which

involved a mixture of alcohol and methadone, a paiokiller also used to help with withdrawals of harsher drugs such as hemin,

Tuolumne County isn't the only area to see a rise in prescription drup places. said Dr. Todd Stolp, county public béalth officer.

"It's a national lasue, but we'm in the

process of identifying the extent of the problem and how to address the problem," he said.

There were three suicides in 2007. The number could be higher, however, herause there were some drug-reinted cases in which there weren't enough

SEP DEATHS/RACE BASE

# WHY IS HEALSO USED AS AN ANALGESTO??????

Cheapest narcotic pain reliever – synthetic

Insurance companies

What's the problem?

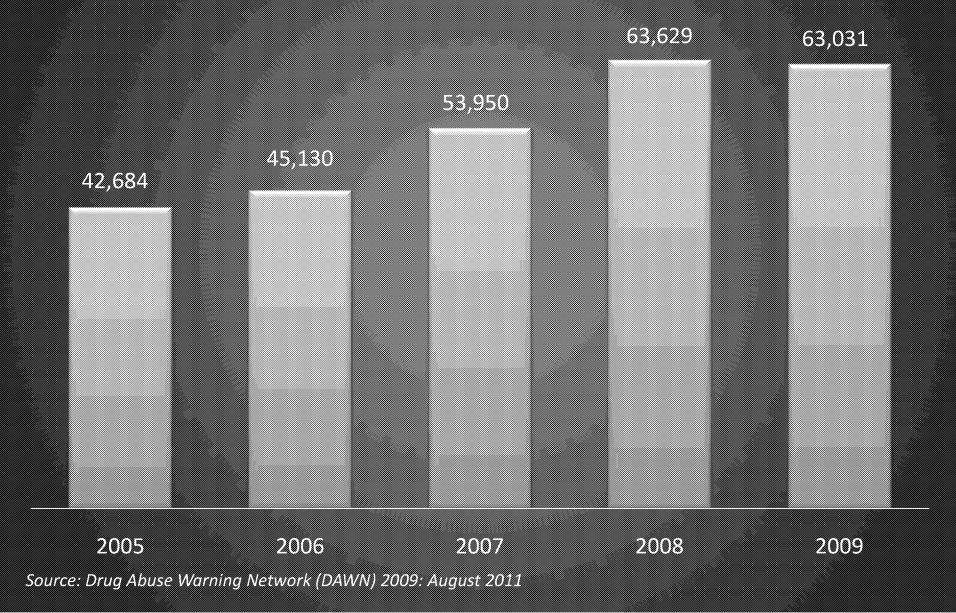
# Overdose...Why?

- Patients not taking the drug as directed
- Physicians not properly prescribing the drug
- Non medical users ingesting with other substances
- Opiate naive

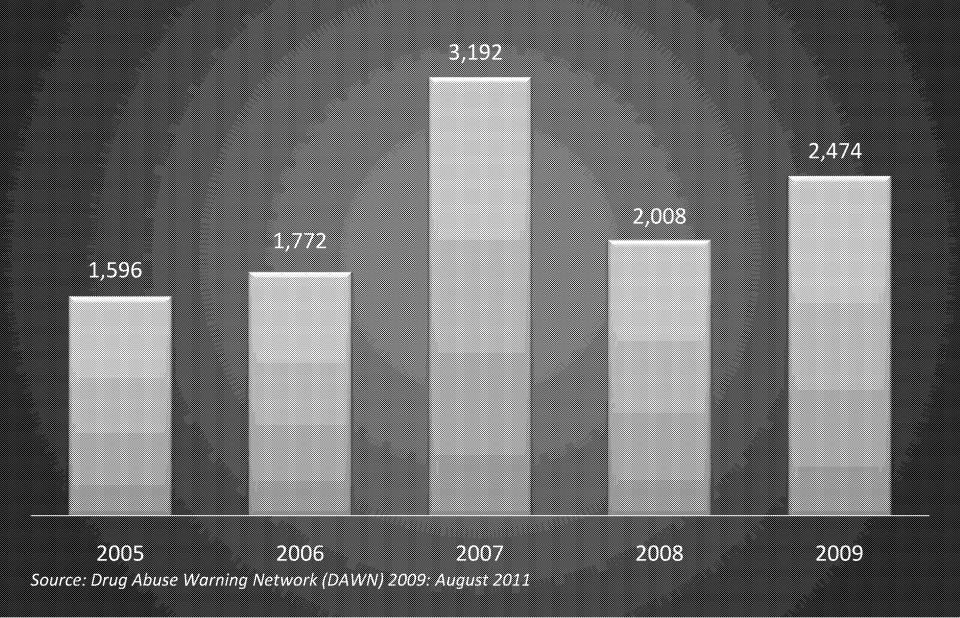
## Case: 1:17-md-02804-DAP Doc#: 2816-3 Filed: 10/14/19 95 of 188. PageID #: 425068

- CNS depressants
   (e.g., alcohol, anesthetics, sedatives, other opioids) Additive effect
- Antiretroviral drugs have variable interactions
- CYP3A4 inhibitors (some antifungal agents, macrolide antibiotics, and SSRIs) – Inhibits elimination
- Grapefruit juice inhibits methadone elimination
- Smoking enhances (CYP1A2) methadone elimination
- Self-inducer Enhances (3.5 fold between 1<sup>st</sup> dose and steady state) its own elimination
- Anticonvulsants Enhances methadone elimination

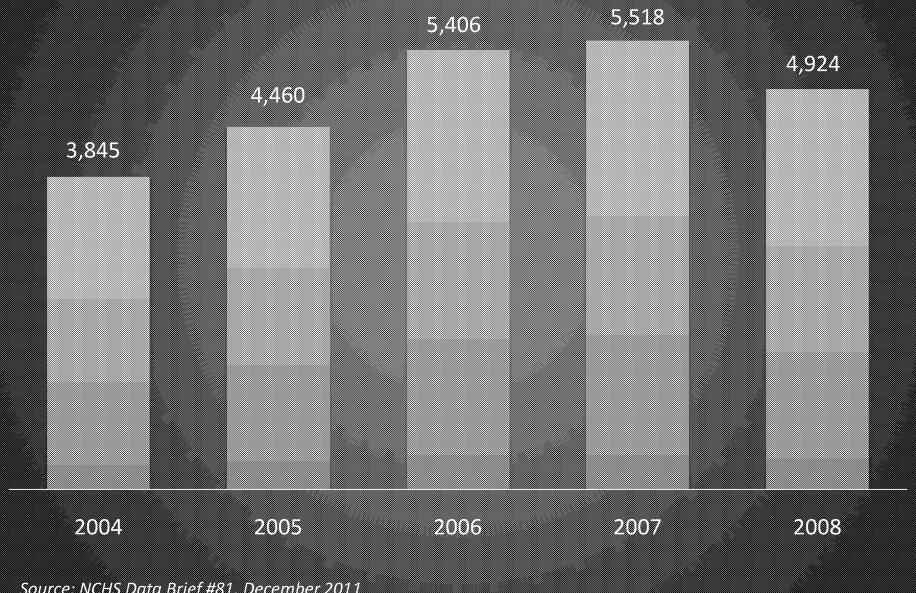
### ER visits involving Methadone



### Suicide attempts involving Methadone

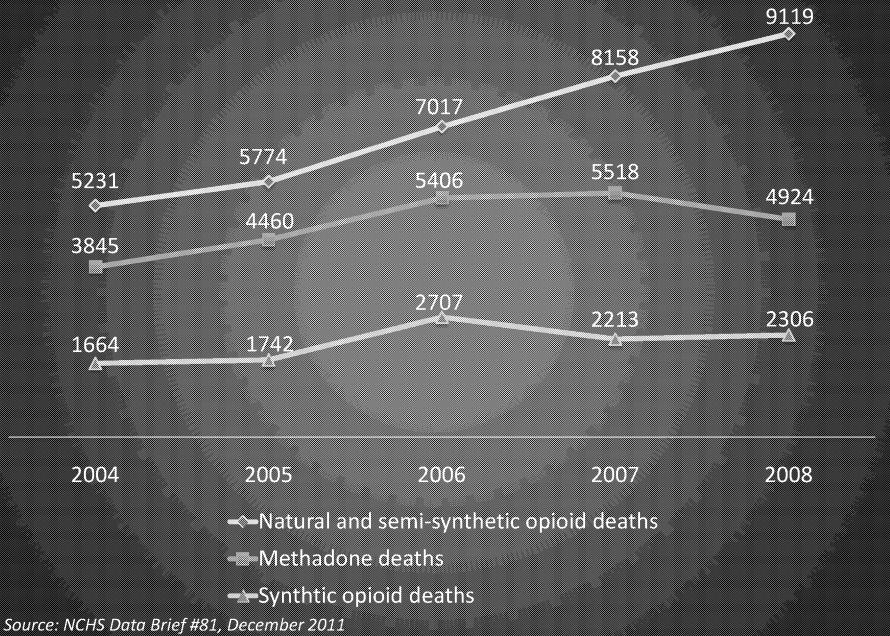


# Deaths involving Methadone

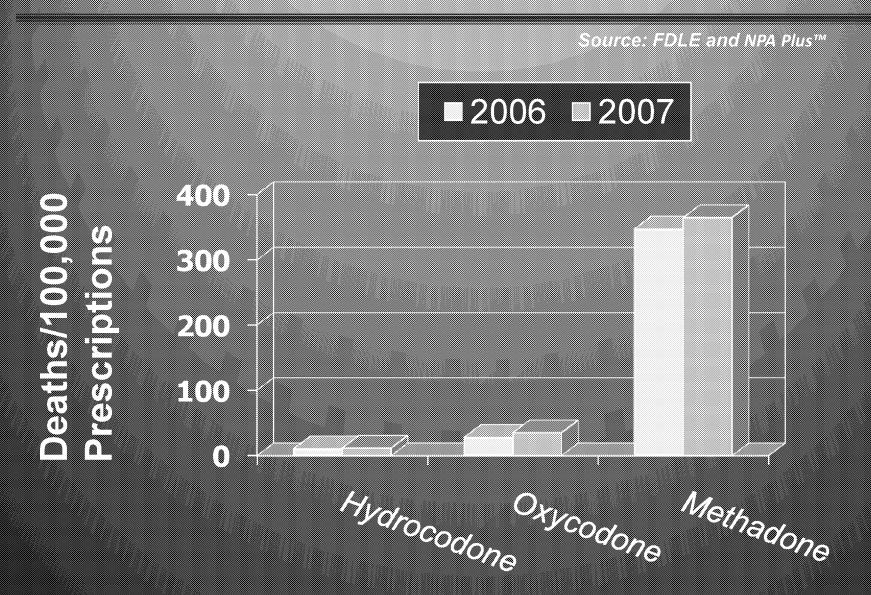


Source: NCHS Data Brief #81, December 2011

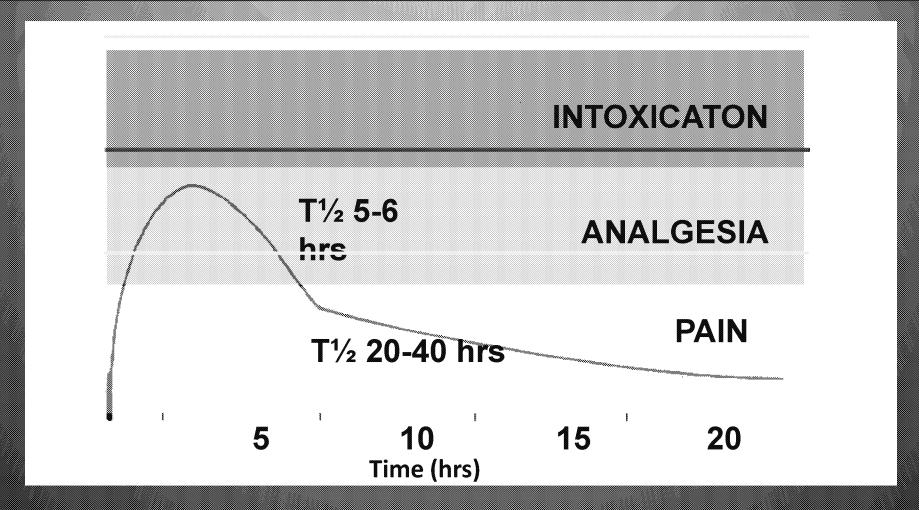
### Opioid analgesic involved in deaths



### Deaths/100,000 Prescriptions in Florida



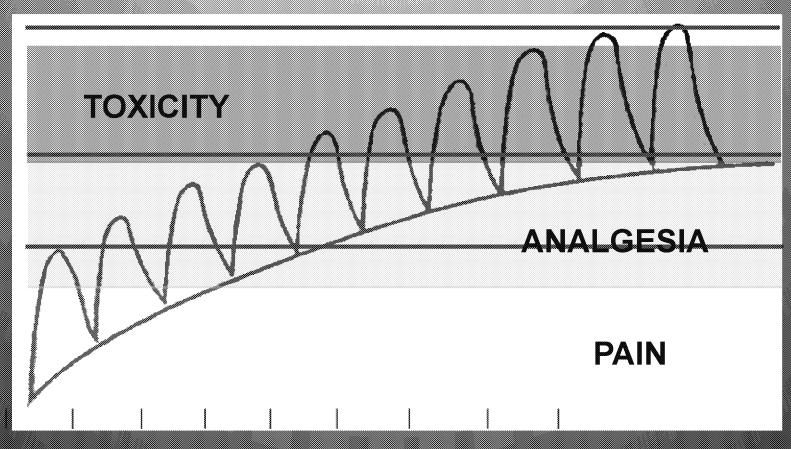
### Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 101 of 188. PageID #: 425074 | Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 101 of 188. PageID #: 425074



Ref: Nilsson MI, et al. Acta anaesth. scand 1982, Suppl 74, 66-69

Source: Resource Manual for CME course entitled "Prescribing Opioids for Chronic Pain" – Offered by the New England Chapters of the American Society of Addiction Medicine with support form CSAT, SAMHSA

#### Fixed Methadone Dose Interval



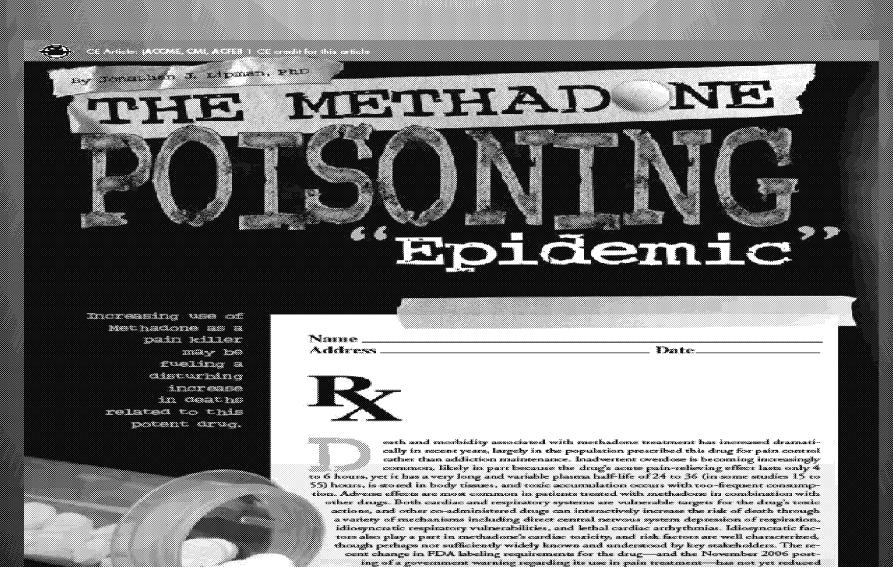
#### Dosage intervals

Ref: Nilsson MI, et al. Acta anaesth. scand 1982, Suppl 74, 66-69

**Source:** Resource Manual for CME course entitled "*Prescribing Opioids for Chronic Pain*" – Offered by the New England Chapters of the American Society of Addiction Medicine with support form CSAT, SAMHSA

Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 103 of 188. PageID #: 425076

# One Pill can Kill



morbidity and mortality associated with methadone as reported in the MedWatch

database for the first quarter of 2007.

### Other Narcotics

Fentanyl

Hydromorphone





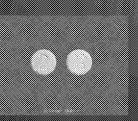
Meperidine



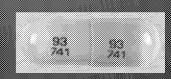
Morphine



Codeine



Propoxyphene





#### Case: 1:17-mg-02804-DAP Doc #: 2816-3 Filed: 10/14/19 105 of 188. PageID #: 425078 E en la niv

- Fentanyl Patches
- > Fentanyl Citrate dispensed in a berry flavored lollipop-type unit
- > Fentanyl is 100 times more potent than morphine
- Intended to be used for chronic cancer pain & only for people who are tolerant to prescription opioid (narcotic) pain medicines
- Abused for its intense euphoric effects

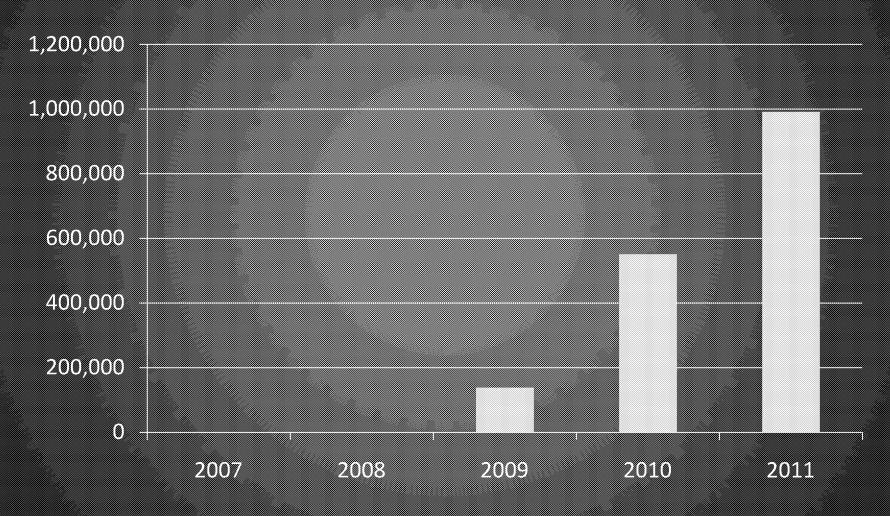


Aone



ACTIO: 

# Tapentadol Prescriptions



Source: IMS Health National Prescription Audit Plus downloaded 6/5/2012

### Narcotic Addiction Treatment Options

- Office based (DATA-2000)
- Methadone treatment programs

### Methadone Clinics

1247 clinics operating nationwide

# Other FDA Approved Drugs for Narcotic Addiction Treatment

- Schedule III
  - Buprenorphine Drug Code 9064
    - Subutex (sublingual, single entity tablet)
    - Suboxone (sublingual, buprenorphine/naloxone tablet)









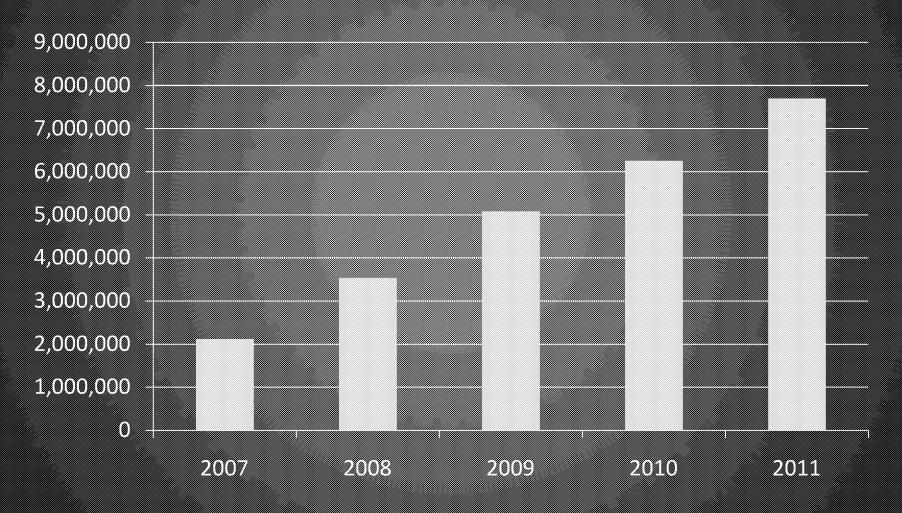
# DATA Waive Physicians

- Current (6/5/12) CSAT population of certified DATA Waive Physicians:
  - DW-30 Physicians- 17, 397
  - DW-100 Physicians- 5,984
- Total: 23,381

# DATA Waive Physicians

- Current (6/5/2012) DEA population of certified DATA Waive Physicians:
  - DW-30 Physicians 15.867
  - DW-100 Physicians 5,430
  - Military Physicians 45
- Total 21,342
- Difference between CSAT & DEA Population:
  - 2,039

# **Buprenorphine Prescriptions**



Source: IMS Health National Prescription Audit Plus downloaded 6/5/2012

# NRLIS Data

- From January 2001 to June 2011 buprenorphine reports increased more than 900-fold (from 6 to 5,427).
- The largest increase of Buprenorphine reports during the same time period was in the Northeast from no reports to 4.8 reports per 100,000 persons.



# NELIS Data

Reporting period:

January 2011 through June 2011

Buprenorphine\*

4.836 reports

7.31%

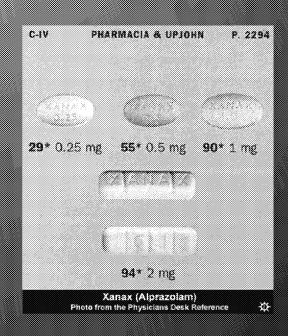
\*3<sup>rd</sup> most reported Narcotic analgesic behind Oxycodone and Hydrocodone.



# Alprazolam Xanax®

0.00

- Drug abusers often prefer alprazolam due to its rapid onset and longer duration of action
- Alprazolam was ranked third in the number of prescriptions for controlled substances in 2003, 2004, 2005 and 2006\*
- For all sales of generic pharmaceuticals, alprazolam was ranked 7th\*\*
- \* Source IMS Health
- \*\* Søurce Verispan VONA





# Other Controlled Substances



- Phentermine C-IV
- Phendimetrazine C-III
  - Bontril®





- Amphetamines
  - Adderall c-п
  - Methylphenidate сл
    - Ritaling
    - Concertage





# REQUIRED READING

DIAGNOSTIC AND STATISTICAL MANUAL OF MENTAL DISORDERS

Contract Contract

DSM-IV-TR

Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed:

Attention-Deficit and Disruptive Behavior Disorders

85

#### Attention-Deficit and Disruptive Behavior Disorders

#### **Attention-Deficit/Hyperactivity Disorder**

**Diagnostic Features** 

Some hyperactive-impulsive or inattentive symptoms that cause impairment must have been present before age 7 years, although many individuals are diagnosed after the symptoms have been present for a number of years, especially in the case of individuals with the Predominantly Inattentive Type (Criterion B)

Alc). There may be frequent shifts from one uncompleted activity to another. Individuals diagnosed with this disorder may begin a task, move on to another, then turn to yet something else, prior to completing any one task. They often do not follow through on requests or instructions and fail to complete schoolwork, chores, or other duties (Criterion A1d). Failure to complete tasks should be considered in making this diagnosis only if it is due to inattention as opposed to other possible reasons (e.g., failure to understand instructions, defiance). These individuals often have difficulties organizing tasks and activities (Criterion Ale). Tasks that require sustained mental effort are experienced as unpleasant and markedly aversive. As a result, these individuals typically avoid or have a strong dislike for activities that demand sustained self-application and mental effort or that require organizational demands or close concentration (e.g., homework or paperwork) (Criterion A1f). This avoidance must be due to the person's difficulties with attention and not due to a primary oppositional attitude, although secondary oppositionalism may also occur. Work habits are often disorganized and the materials necessary for doing the task are often scattered, lost, or carelessly handled and damaged (Criterion Alg). Individuals with this disor10/14/10 110 of 100 Disorders Usually First Diagnosed in Infancy,

- •Fails to give close attention to details...make careless mistakes in schoolwork, work
- Difficulty sustaining attention in tasks
- •Does not seem to listen when spoken to
- Does not follow through on instructions
- Difficulty organizing tasks
- Often loses things necessary for tasks
- Easily distracted
- Forgetful
  - (h) is often easily distracted by extraneous stimuli
  - (i) is often forgetful in daily activities
- (2) six (or more) of the following symptoms of hyperactivity-impulsivity have persisted for at least 6 months to a degree that is maladaptive and inconsistent with developmental level:

#### Hyperactivity

- (a) often fidgets with hands or feet or squirms in seat
- (b) often leaves seat in classroom or in other situations in which remaining
- Fidgets
- Can't remain seated
- •Restlessness
- Difficulty awaiting turn
- Often interrupts or intrudes
- Some hyperactive-impulsive or inattentive symptoms that caused impairment were present before age 7 years.
- C. Some impairment from the symptoms is present in two or more settings (e.g., at school (or work) and at home).

Disorders Usually First Diagnosed in Infancy,

There are no laboratory tests, neurological assessments, or attentional assessments that have been established as diagnostic in the clinical assessment of Attention-Deficit/Hyperactivity Disorder

parent-ch with successful treatment. On average, individuals with Atlention-Deficit/Hyperactivity Disorder obtain less schooling than their peers and have poorer vocational achievement. Also, on average, intellectual level, as assessed by individual IQ tests, is several points lower in children with this disorder compared with peers. At the same time, great variability in IQ is evidenced: individuals with Attention-Deficit/ Hyperactivity Disorder may show intellectual development in the above-average or gifted range. In its severe form, the disorder is markedly impairing, affecting social, familial, and scholastic adjustment. All three subtypes are associated with significant impairment. Academic deficits and school-related problems tend to be most pronounced in the types marked by inattention (Predominantly Inattentive and Combined Types), whereas peer rejection and, to a lesser extent, accidental injury are most salient in the types marked by hyperactivity and impulsivity (Predominantly Hyperactive-Impulsive and Combined Types). Individuals with the Predominantly Inattentive Type tend to be socially passive and appear to be neglected, rather than rejected, by peers.

A substantial proportion (approximately half) of clinic-referred children with Attention-Deficit/Hyperactivity Disorder also have Oppositional Defiant Disorder or Conduct Disorder. The rates of co-occurrence of Attention-Deficit/Hyperactivity Disorder with these other Disruptive Behavior Disorders are higher than with other mental disorders, and this co-occurrence is most likely in the two subtypes marked by hyperactivity-impulsivity (Hyperactive-Impulsive and Combined Types). Other associated disorders include Mood Disorders, Anxiety Disorders, Learning Disorders, and Communication Disorders in children with Attention-Deficit/Hyperactivity Disorder. Although Attention-Deficit/Hyperactivity Disorder appears in at least 50% of clinic-referred individuals with Tourette's Disorder, most individuals with Attention-Deficit/Hyperactivity Disorder do not have accompanying Tourette's Disorder. When the two disorders coexist, the onset of the Attention-Deficit/Hyperactivity Disorder often precedes the onset of the Tourette's Disorder.

There may be a history of child abuse or neglect, multiple foster placements, neurotoxin exposure (e.g., lead poisoning), infections (e.g., encephalitis), drug exposure in utero, or Mental Retardation. Although low birth weight may sometimes be associated with Attention-Deficit/Hyperactivity Disorder, most children with low birth weight do not develop Attention-Deficit/Hyperactivity Disorder, and most children with Attention-Deficit/Hyperactivity Disorder do not have a history of low birth weight.

**Associated laboratory findings.** There are no laboratory tests, neurological assessments, or attentional assessments that have been established as diagnostic in the clin-

There are no specific physical features associated with Attention-Deficit/Hyperactivity Disorder, although minor physical anomalies (e.g., hypertelorism, highly arched palate, low-set ears) may occur at a higher rate than in the general population. There may also be a higher rate of accidental physical injury.

#### Specific Culture, Age, and Gender Features

Attention-Deficit/Hyperactivity Disorder is known to occur in various cultures, with variations in reported prevalence among Western countries probably arising more from different diagnostic practices than from differences in clinical presentation.

It is difficult to establish this diagnosis in children younger than age 4 or 5 years, because their characteristic behavior is much more variable than that of older children and may include features that are similar to symptoms of Attention-Deficit/ Hyperactivity Disorder. Furthermore, symptoms of inattention in toddlers or preschool children are often not readily observed because young children typically experience few demands for sustained attention. However, even the attention of toddlers can be held in a variety of situations (e.g., the average 2- or 3-year-old child can typically sit with an adult looking through picture books). Young children with Attention-Deficit/Hyperactivity Disorder move excessively and typically are difficult to contain. Inquiring about a wide variety of behaviors in a young child may be helpful in ensuring that a full clinical picture has been obtained. Substantial impairment has been demonstrated in preschool-age children with Attention-Deficit/ Hyperactivity Disorder. In school-age children, symptoms of inattention affect classroom work and academic performance. Impulsive symptoms may also lead to the breaking of familial, interpersonal, and educational rules. Symptoms of Attention-Deficit/Hyperactivity Disorder are typically at their most prominent during the elementary grades. As children mature, symptoms usually become less conspicuous. By late childhood and early adolescence, signs of excessive gross motor activity (e.g., excessive running and climbing, not remaining seated) are less common, and hyperactivity symptoms may be confined to fidgetiness or an inner feeling of jitteriness or restlessness. In adulthood, restlessness may lead to difficulty in participating in sedentary activities and to avoiding pastimes or occupations that provide limited opportunity for spontaneous movement (e.g., desk jobs). Social dysfunction in adults appears to be especially likely in those who had additional concurrent diagnoses in childhood. Caution should be exercised in making the diagnosis of Attention-Deficit/ Hyperactivity Disorder in adults solely on the basis of the adult's recall of being inattentive or hyperactive as a child, because the validity of such retrospective data is often problematic. Although supporting information may not always be available, corroborating information from other informants (including prior school records) is helpful for improving the accuracy of the diagnosis.

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# Ritaling / Concertag / Adderall

- Used legitimately to treat ADHD
- ➤ Used non-medically to get high and as an academic "performance—enhancer" to improve memory and improve concentration gain the edge
  - Higher GPA
  - ➤ Higher SAT / ACT score
  - Get that scholarship

# Quotas

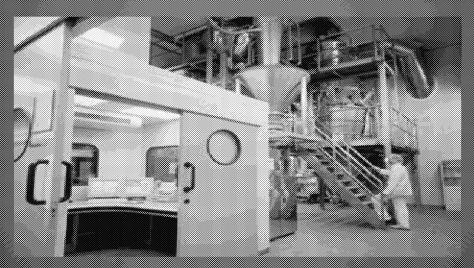
- DEA's mission is to prevent, detect, and investigate the diversion of pharmaceutical controlled substance from legitimate channels while ensuring an adequate and uninterrupted supply of pharmaceutical controlled substances to meet legitimate medical, commercial, and scientific needs.
- DEA is statutorily required to issue production material quota to the registered manufacturers on a yearly basis (21 USC 826).

# Criteria in Determining Quota

- The manufacturer's current rate of disposal
- The trend of the national disposal rate during the preceding calendar year
- The manufacturer's production cycle and inventory position
- The economic availability of raw materials
- Yield and stability problems
- Emergencies such as strikes and fires
- Other factors.

# Quotas/Shortages

• DEA issued enough quota to the industry to meet the medical, commercial, and scientific needs.



 DEA has no statutory or regulatory authority relating to FDA manufacturing issues.



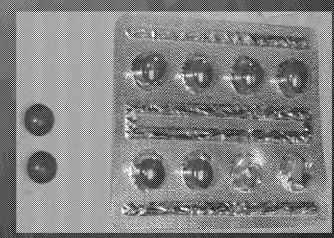
# ROBITUSSIN

Because Gatorade doesn't make you a flying robot in space.

# Dextromethorphan (DXM)

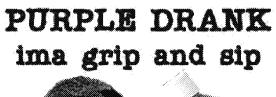
- Cough suppressant in over 125 OTC medications (e.g. Robitussin and Coricidin)
- Bulk form on the Internet
- At high doses, has Ketamine- and PCP-like effects
- Produces physical and psychological dependence
- Deaths associated with DXM abuse

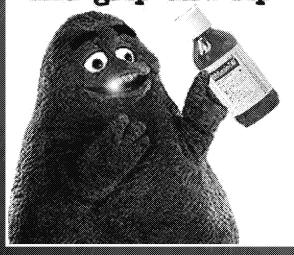




# Casco 1-17-md-02804-D/S Doc #: 2816-3 Cook 10/14/15 127d 188. PageID #: 425100 COCKTAILS

- "Syrup and Soda"
- "Seven and Syrup"
- "Purple Drank"













# Methods of Diversion

- Practitioners / Pharmacists
  - Illegal distribution
  - Self abuse
  - Trading drugs for sex
- Employee pilferage
  - Hospitals
  - Practitioners' offices
  - Nursing homes
  - Retail pharmacies
  - Manufacturing / distribution facilities

- Pharmacy / Other Theft
  - Armed robbery
  - Burglary (Night Break-ins)
  - In Transit Loss (Hijacking)
  - Smurfing
- Patients / Drug Seekers
  - Drug rings
  - Doctor-shopping
  - Forged / fraudulent / altered prescriptions
- The medicine cabinet / obituaries
- The Internet
- Pain Clinics

## Where are the Pharmaceuticals Coming From?

- Medicine Cabinet
- Internet
- Pain Clinics
- Doctor Shoppers; RX Fraud; Practitioner Diversion



# Prescription Fraud

## Fake prescriptions

- Highly organized
- Use real physician name and DEA Registrant Number
  - · Contact Information false or "fake office"
    - (change locations often to avoid detection)
- Prescription printing services utilized
  - · Not required to ask questions or verify information printed

### Stolen prescriptions

- Forged
- "Smurfed" to a large number of different pharmacies

# Doctor Shopping

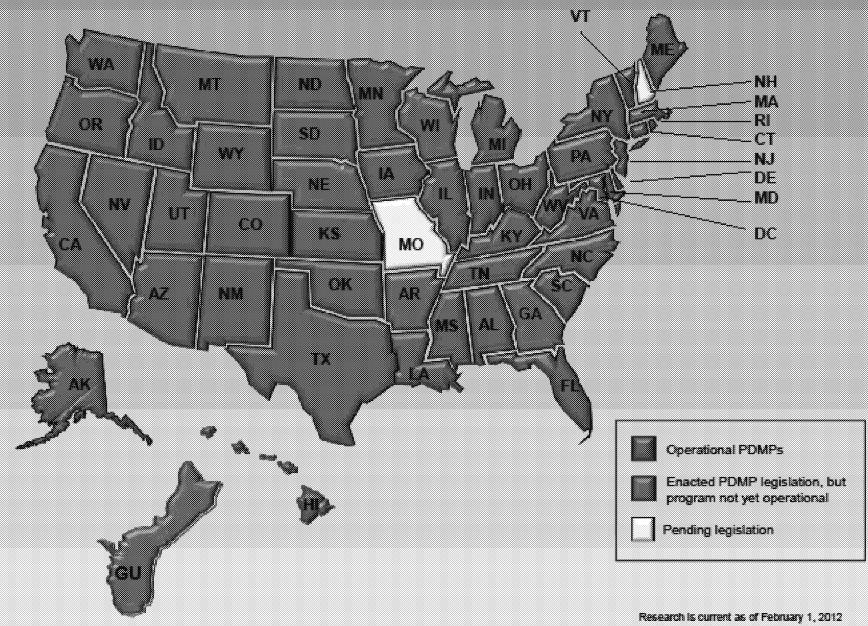






# Prescription Drug Monitoring Programs

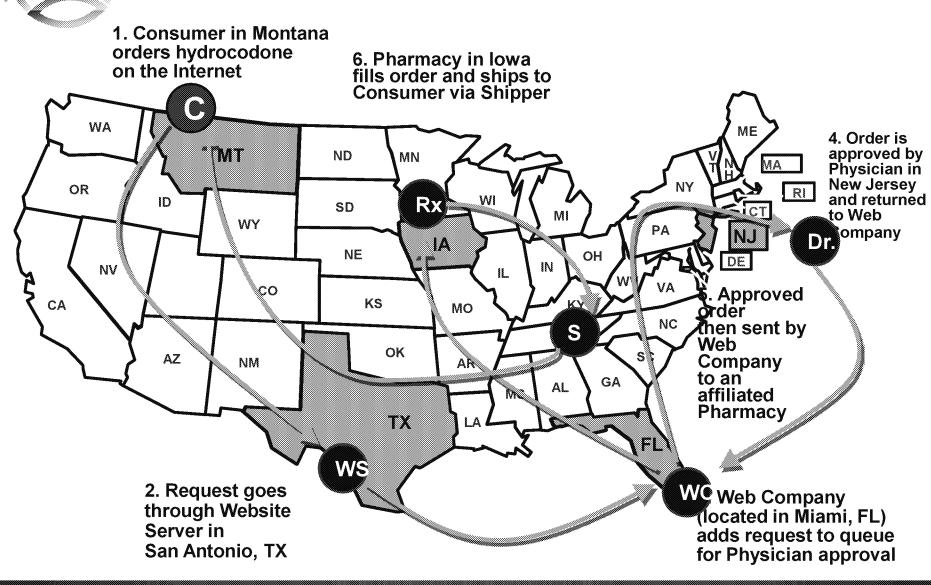
#### Status of Prescription Drug Monitoring Programs (PDMPs)





# Diversion via the Internet

# Domestic 'R<sub>X</sub>' Flow



# New Felony Offense Internet Trafficking

≥ 21 USC 841(h)(1): It shall be unlawful for any person to knowingly or intentionally:

(A) deliver, distribute, or dispense a controlled substance by means of the Internet, except as authorized by this title; or

(B) aid or abet any violation in (A)

What has been the reaction????

## Per Se Violations

# Automatic Violation of the CSA if any of the following occurs:

- No in-person medical evaluation by prescribing practitioner
- Online pharmacy not properly registered with <u>modified</u> registration.
- ➤ Website fails to display required information

# Current CSA Registrant Population

## Total Population: 1,341,505

Practitioner		1.040.496
Mid-Level Practitioner		170,115
Pharmaey		65,946
Hospital/Clinic	-	15,702
Manufacturer	-	525
Distributor	-	805
Researcher		6,357
Analytical Labs		1,504
NTP		1,247
ADS Machine	-	161
	Mid-Leyel Practitioner Pharmacy Hospital/Clinic Manufacturer Distributor Researcher Analytical Labs NTP	Mid-Level Practitioner - Pharmacy - Hospital/Clinic - Manufacturer - Distributor - Researcher - Analytical Labs - NTP -

as of 1<u>/21/2010</u>

What took the place of Internet Medical Care and Internet CS pharmaceutical Distribution?

# Medical Care?

Many of these clinics are prescription/dispensing mills.

Minimal practitioner/patient interaction

Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 143 of 188. PageID #: 425116

# Checks and Balances Under the CSA

#### Practitioners

"A prescription for a controlled substance to be effective must be issued for a legitimate medical purpose by an individual practitioner acting in the usual course of professional practice." (21 CFR § 1306.04(a))

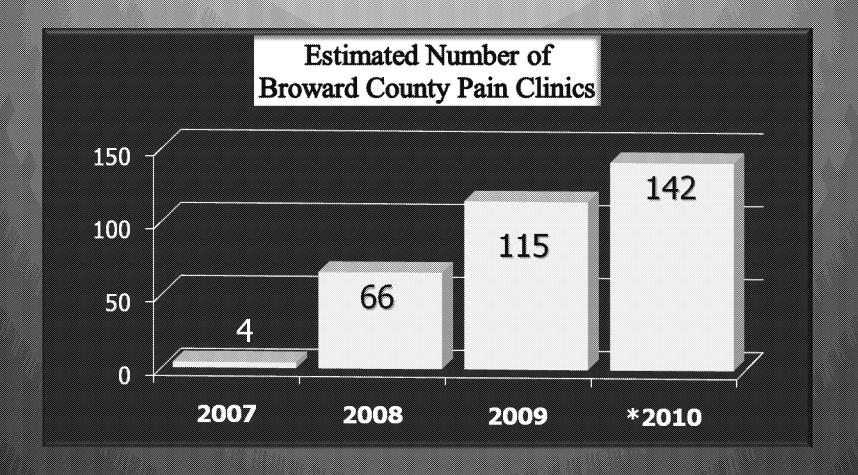
United States v Moore 423 US 122 (1975)

# Increased Law Enforcement Pressure

- Clinics migrating north and west
- Funded by owners in Florida

#### Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 145 of 188. PageID #: 425118

# Explosion of South Florida Pain Clinics



As of June 4, 2010, Florida has received 1,118 applications and has approved 1026 \*As of May 14, 2010, Broward 142; Miami-Dade 79; Palm Beach 111

















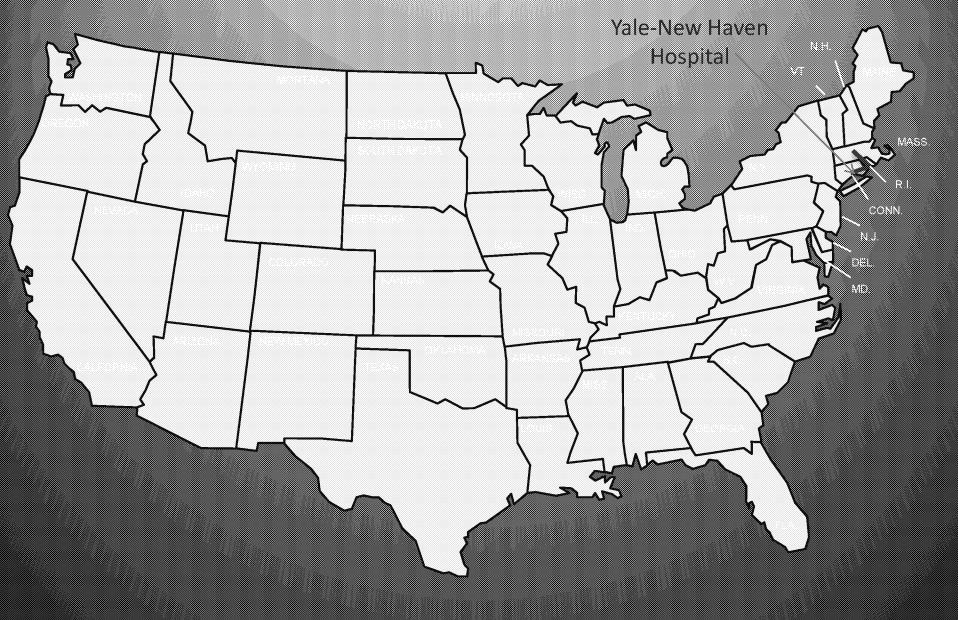


Case 1:17-md-02804-DAP Doc#: 2816-3 Filed: 10/14/19 155 of 188. PageID#, 425128

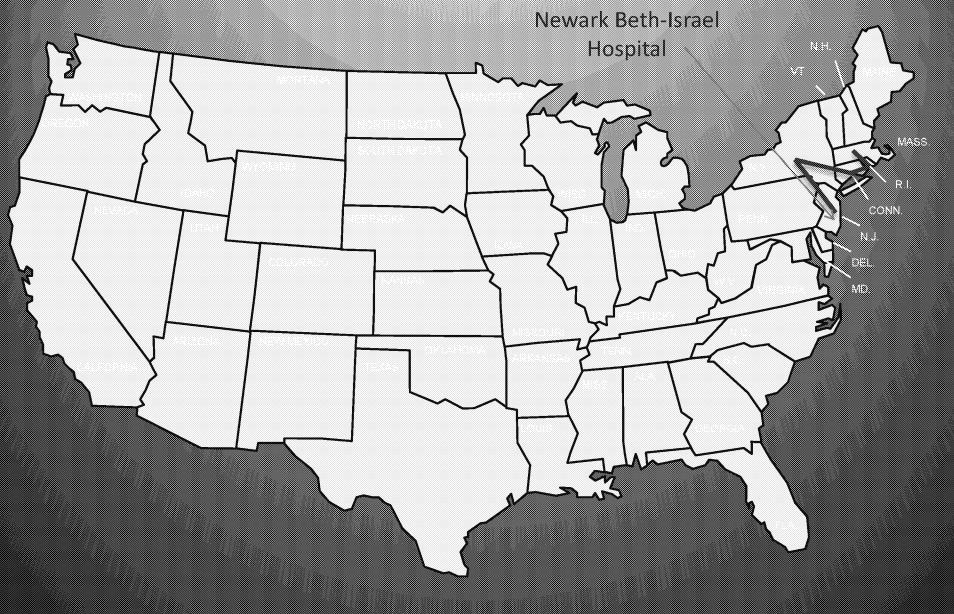
- Vast majority of 'patients' visiting Florida "pain clinics' come from out-of-state:
  - (Georgia
  - Kentucky
  - Termessee
  - Ohio
  - Massaeliuseus
  - New Jersey
  - North and South Carolina
  - Virginia
  - West Virginia

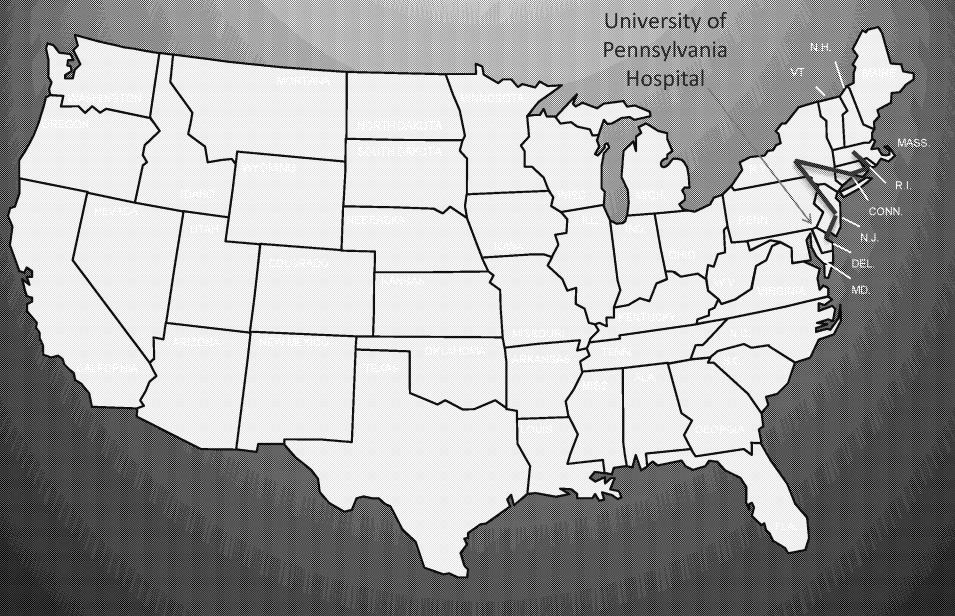


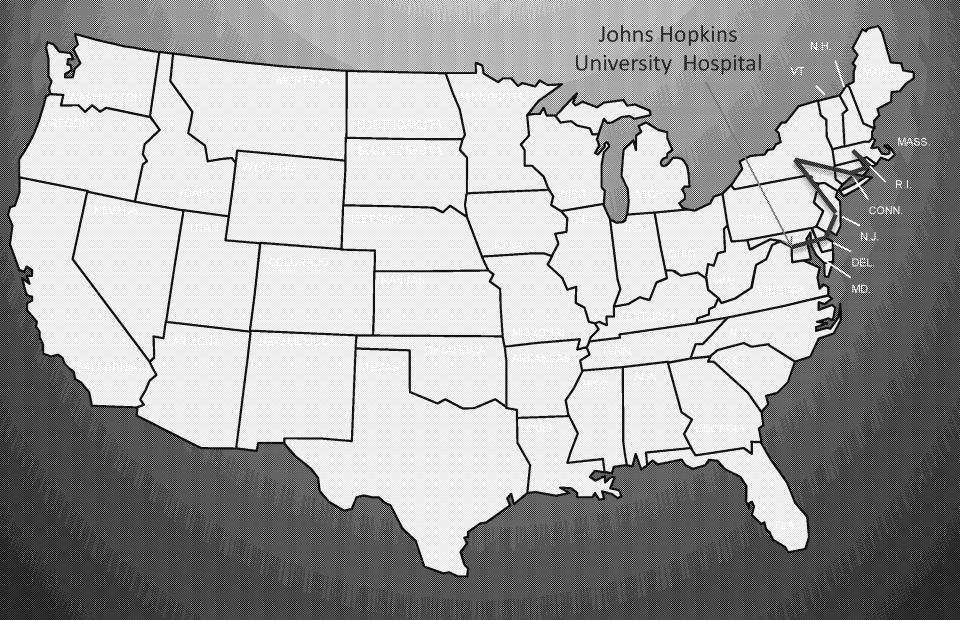


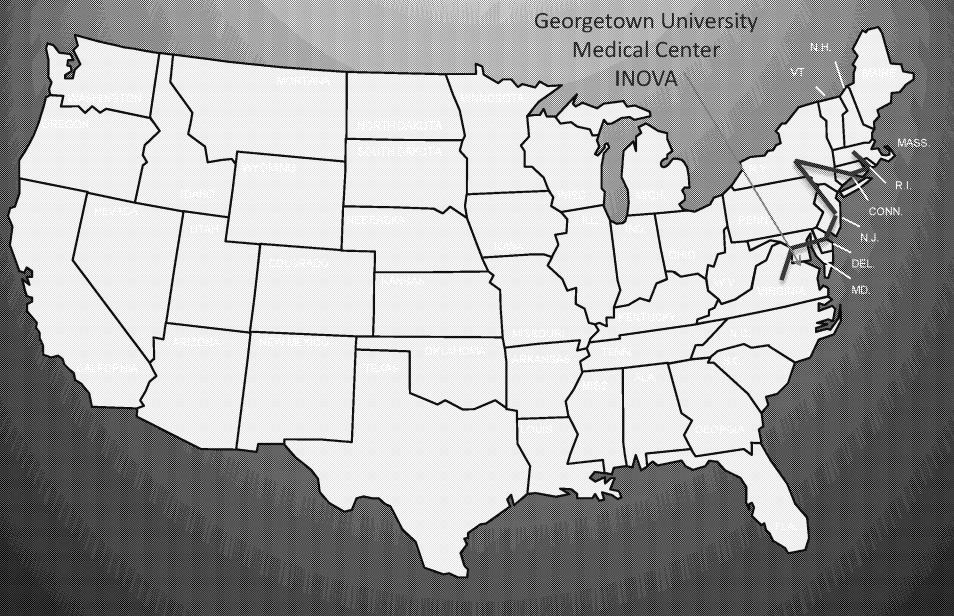




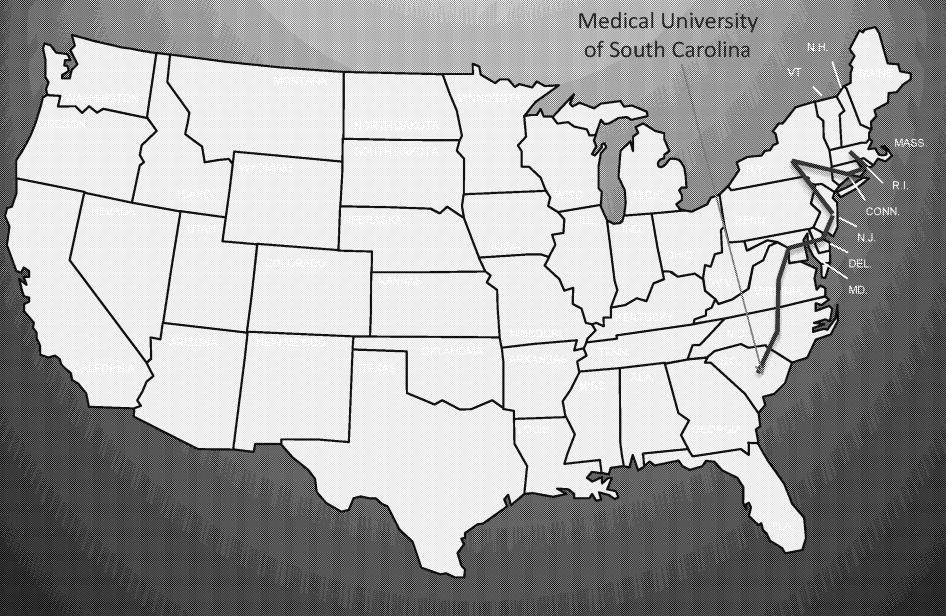


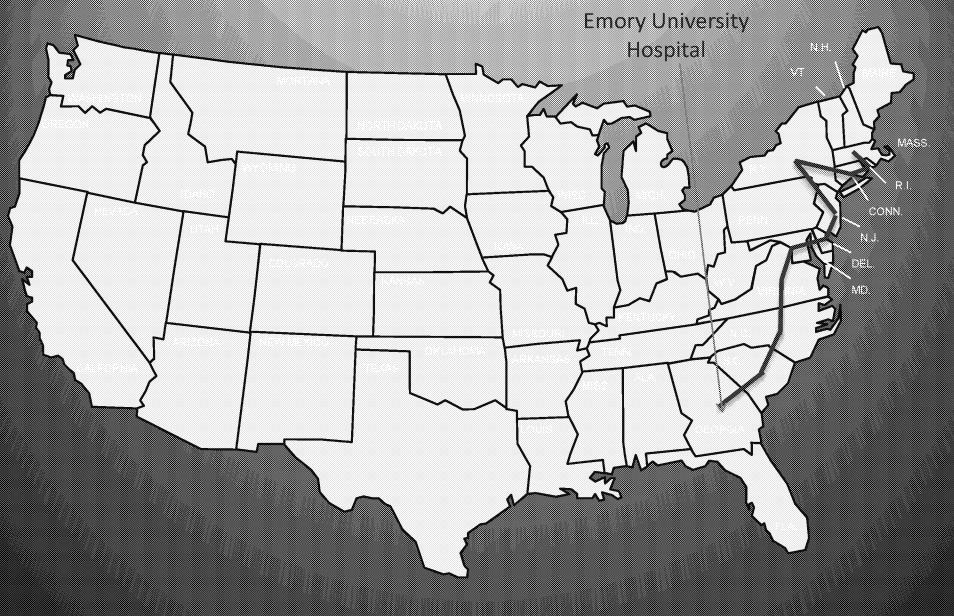


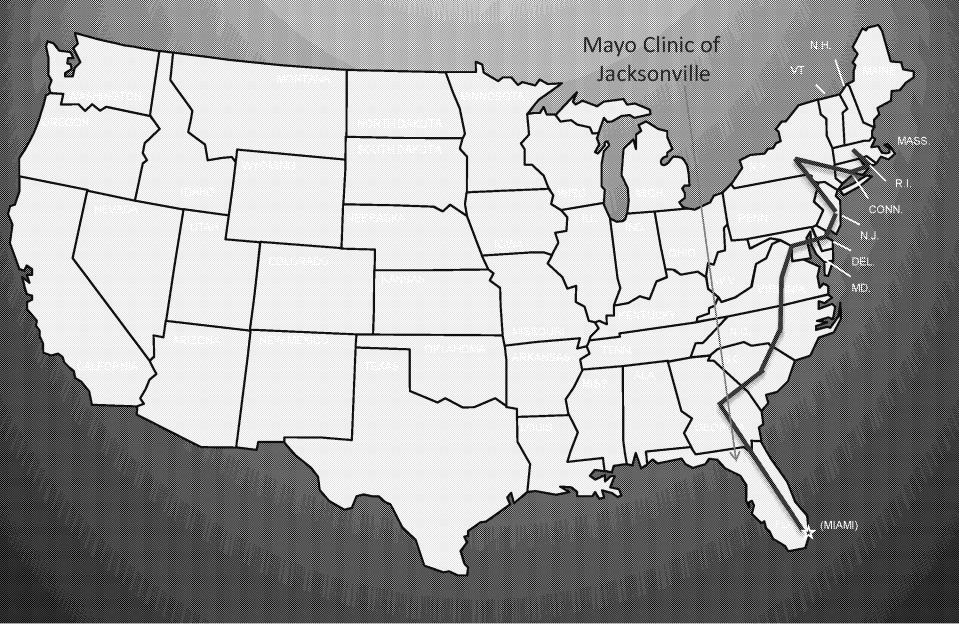












## **Drugs Prescribed**

- A 'cocktail' of oxycodone and alprazolam (Xanax®)
- An average 'patient' receives prescriptions or medications in combination

Schedule II	Schedule III	Schedule IV
Oxycodone 15mg, 30mg	Vicodin (Hydrocodone)	Xanax (Alprazolam)
Roxicodone 15mg, 30mg	Lorcet	Valium (Diazepam)
Percocet	Lortab	
Percodan	Tylenol #3 (codeine)	
Demerol	Tylenol #4 (codeine)	
Methadone		

# Average Charges for a Clinic Visit

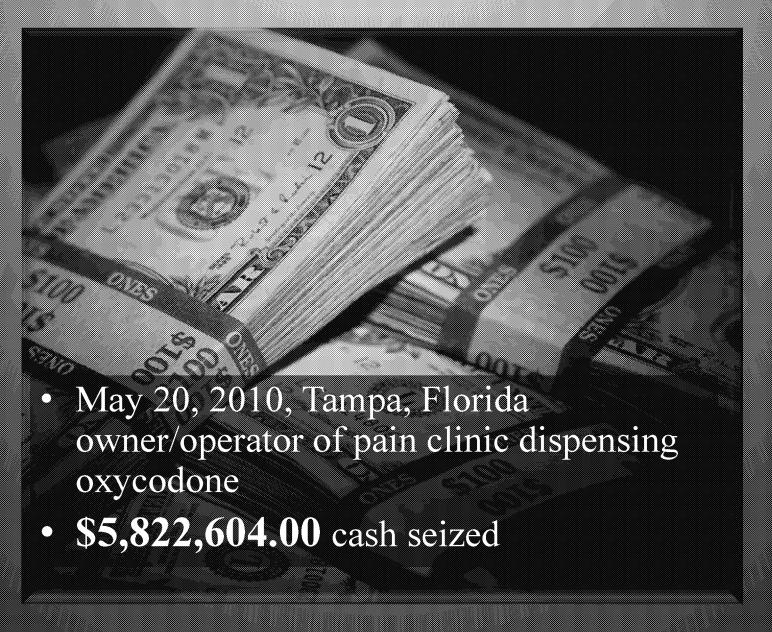
- Price varies if medication is dispensed or if customers receive prescriptions
- Some clinics advertise in alternative newspapers citing discounts for new patients such as 'buy one get one free' or "50% off with this ad'
- Typically, initial office visit is \$250; each subsequent visit is \$150 to \$200
- Average 120-180 30mg oxycodone tablets per visit

# **Cost of Drugs**

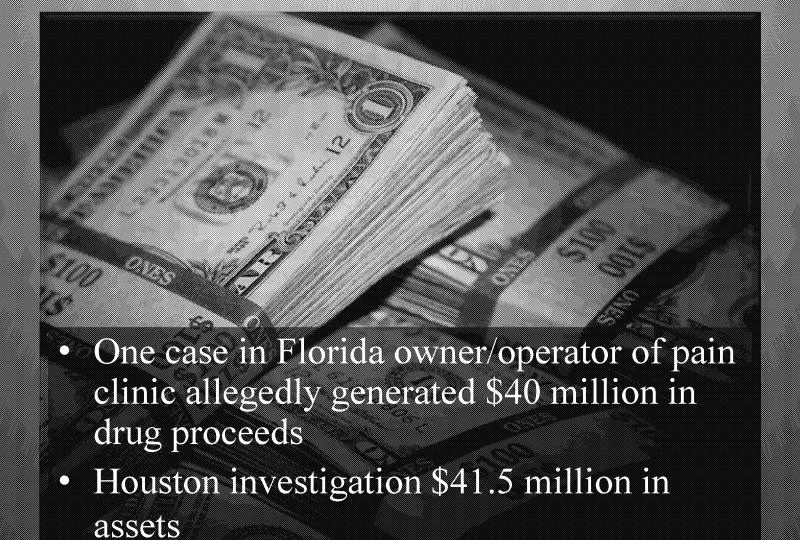
- The 'cocktail' prescriptions go for \$650 to \$1,000
- According to medical experts, most clinics do not require sufficient medical history and tests for proper prescribing of Schedule II substances
- Each oxycodone 30mg tablet costs \$1.75 to \$2.50 at the clinics
  - On the street in Florida, that pill can be re-sold for \$7 to \$15
  - Outside of Florida, it can be re-sold for \$25 to \$30 (\$1 per mg)

Why is this happening?

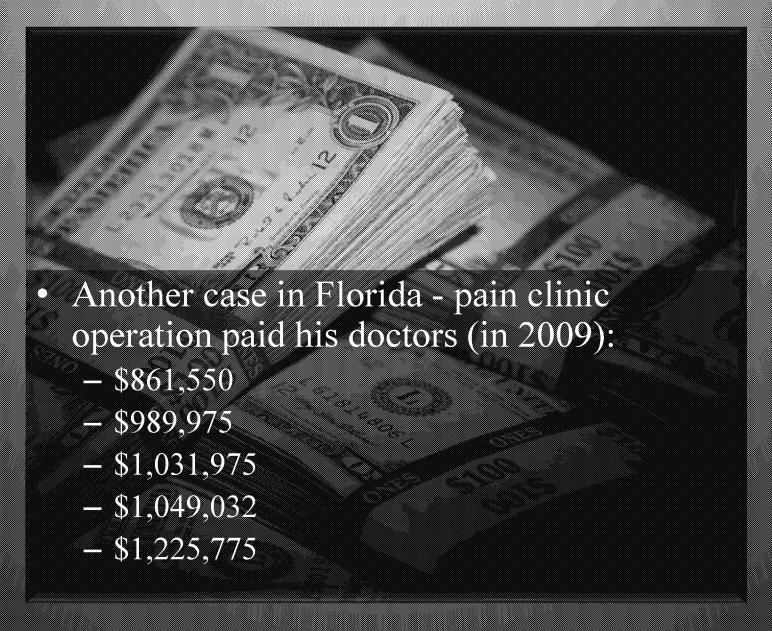
#### What's the Profit?



#### What's the Profit?



#### What's the Profit?



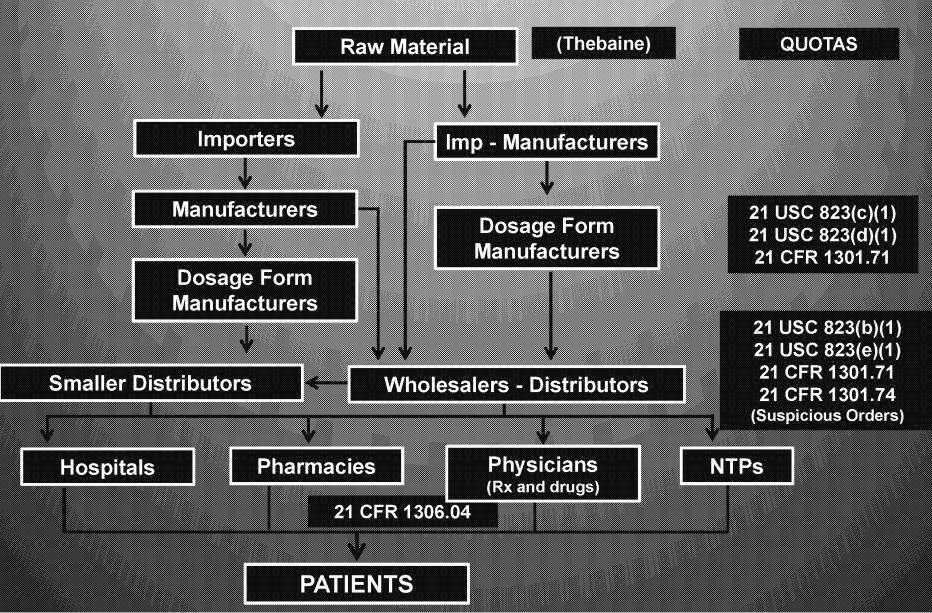
# DEA Distributor Initiative

#### August 2005 – Present:

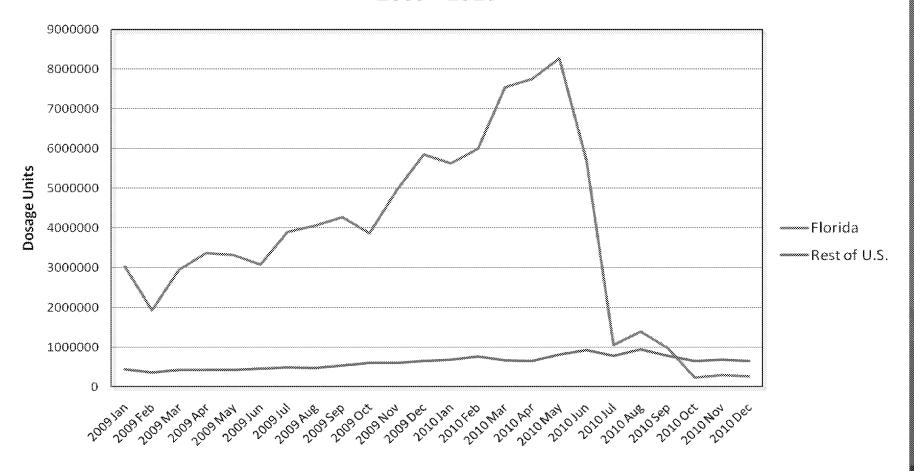
- Briefings to 79 firms with 224 locations
- Examples of civil action against distributors:
  - AmerisourceBergen,
  - Cardinal Health, \$34 million civil fine
  - McKesson, \$13.25 million civil fine
  - Harvard, \$6 million civil fine
- Examples of suspension, surrender or revocation of DEA registration
  - Keysource, loss of DEA registration
  - Sunrise, loss of DEA registration

Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 176 of 188. PageID #: 425149

#### The Flow of Pharmaceuticals



### Monthly Oxycodone Sales to Practitioners 2009 - 2010



June 2010 DEA takes action against four wholesale distributors supplying doctors who were dispensing from rogue pain clinics.

#### State of Florida Legislative Actions

#### •Effective October 1, 2010

- -Pain clinics are banned from advertising that they sell narcotics
- They can only dispense 72-hour supply of narcotics
- -Prohibits the registration of pain clinics unless they are owned by physicians or licensed by non-physicians as a health care clinic

#### •Effective July 1, 2011

- -Clinics must turn over their supply of C-II and C-III controlled substances
- -Clinics are no longer able to dispense these drugs
- -Clinics cannot have ANY affiliation with a doctor that has lost a DEA number

# Reaction

-Shift from dispensing physicians to prescribing physicians

New pharmacy applications in Florida increased dramatically in 2010

Clinic response to the Florida legislation prohibiting the sale of CS from pain clinics?

Buy Pharmacies!

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Low cattle supplies, strong foreign demand for U.S. beef help fuel price boost, 18.

#### Preserving pets after death growing popular as an option

Taxidermist Daniel Ross acknowledges it's a controversial topic, but says the owners "aren't weird, they just really love their pets." 3A.

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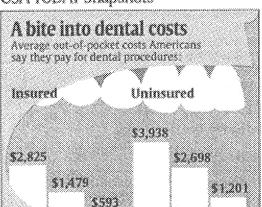




Crossword, Sudoku 50 Editorial/Forum 6-7A Market trends Marketolace Today 50 State-by-state TV listings

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#### USA TODAY Snapshots®



nal record of pump-and-dump stock fraud.

The former computer hacker is the principle figure behind Megaupload, which U.S. prosecutors charge was a global empire that reaped a mega-fortune from illegal digital distribution of movies, songs and other copyright works.

In a New Zealand jail awaiting extradition to the USA on charges of racketeering, money-

one of the Web's most popular and controversial sites - a site that came into the government's cross-hairs two years ago after a complaint from the Motion Picture Association of America.

In the days after Dotcom's arrest, the case has triggered an angry response from the hacker

Please see COVER STORY next page ▶

#### Dealers creative in oxycodone bid

Fewer pills

oxycodone pills purchased by

Florida pharmacies

and practitioners:

Number of

(in millions)

43.3

34.3

Dec.

2011

50

30

20

40 3300

Jan.

Autoministrations

2010

Source: Orug Enforcement

By halle Shilder, USA TODAY

They try to open pharmacies after Florida targets 'pill mills'

By Donna Leinwand Leger LÍSA TODAY

Drug dealers are finding creative ways around new laws that crack down on "pill mills" dispensing powerful painkillers such as oxycodone.

In Florida, hundreds of people tried to open pharmacies after the state barred doctors from dispensing the narcotics directly from their clinics and forced patients to fill their prescriptions at pharmacies. Others moved their operations to Georgia. state police and federal agents say.

"Traffickers adapt to situations," says Mark Trouville, special agent in charge of the Drug Enforcement Administration's field offices in Florida. "We knew once we put pressure on the pill mills, the wrong people would start opening pharmacies."

Florida was the nation's center of prescription-painkiller distribution until the state enacted laws last year

aimed at pill mills - clinics where doctors perform cursory examinations on people with dubious injuries and dispense addictive painkillers.

Since then, the number of Florida doctors among the nation's top 100 oxycodone-purchasA pharmacy must register with the DEA and be

doctor's prescription. The DEA can deny a registration if an applicant has been convicted of a drug-related crime or agents find a connection to a pill mill or other activity that poses a

At least 37 pharmacy applicants withdrew their applications in 2011, Trouville says, "They feel the squeeze and move on," he says.

Still, questionable pharmacies are selling thousands of oxycodone and hydrocodone pills to people recruited by drug dealers to get prescriptions from pain clinics, "They're not selling Band-Aids and aspirin," Trouville says, "There's nothing but an empty room with a bulletproof window."

Pharmacy applicants turned down in Florida often try their luck in Georgia, says Rick Allen, director of the Georgia Drugs and Narcotics Agency. Of new non-chain drugstore applications, about 95% have some connection to Florida, he says.

"The people come completely out of left field without any pharmacy background and open a pharmacy in a sleazy strip mall right down the road from a pain clinic," Allen says, "You do a cursory background on them, and they're living in a doublewide in Pembroke Pines, Fla."

licensed by the state to dispense controlled substances, which include many drugs that require a

threat to public health and safety.

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# Who is Applying?

- An individual who is tied to Organized Crime
- An individual who works at Boston Market
- An individual whose father owns a pain clinic
- An individual whose mother works at a pain clinic
- An individual whose father is a doctor at a pain clinic
- An individual who is a bartender/exotic dancer
- An individual who is a truck driver
- An individual who is retired from the dry wall business
- An individual who is a secretary at a pain clinic
- An individual who runs a lawn care business

# Response

#### **Enforcement and Regulatory Action**

- Investigating/Inspecting all new and renewal pharmacy applications submitted in Florida
- Investigating/Inspecting existing pharmacies registrations
- Results
  - Withdrawal of applications
  - Orders To Show Cause (OTSC) issued against applications
  - Immediate Suspension Orders (ISO) issued as appropriate

Case: 1:17-md-02804-DAP Doc #: 2816-3 Filed: 10/14/19 184 of 188. PageID #: 425157

### The Last Line of Defense



Office of Diversion Control 183 2011

# 21CFR 1306.04

The responsibility for the proper prescribing and dispensing of controlled substances is upon the prescribing practitioner, but a corresponding responsibility rests with the pharmacist who fills the prescription.

An order purporting to be a prescription issued not in the usual course of professional treatment or in legitimate and authorized research is not a prescription within the meaning and intent of Section 309 of the act (21 USC 829) and the person knowingly filling such a purported prescription, as well as the person issuing it, shall be subject to the penalties provided for violations of the provisions of law relating to controlled substances.

#### Case: 1:17-md-0280PDAPLDoc#: 2816-3 Files: 20/14/15 186 of 188. PageID#: 425159

many customers receiving the same combination of prescriptions

many customers receiving the same strength of controlled substances;

many customers paying cash for their prescriptions;

many customers with the same diagnosis codes written on their prescriptions;

individuals driving long distances to visit physicians and/or to fill prescriptions;

customers coming into the pharmacy in groups, each with the same prescriptions issued by the same physician; and

customers with prescriptions for controlled substances written by physicians not associated with pain management (i.e., pediatricians, gynecologists, ophthalmologists, etc.).



# Questions